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NBS

Technical Note No. 18-3

Boulder Laboratories

QUARTERLY RADIO NOISE DATA - JUNE, JULY, AUGUST 1959

BY W. Q. CRICHLOW, R.D. DISNEY, AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

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No. 18-3

September 9, 1960

QUARTERLY RADIO NOISE DATA - JUNE, JULY, AUGUST 1959

by

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

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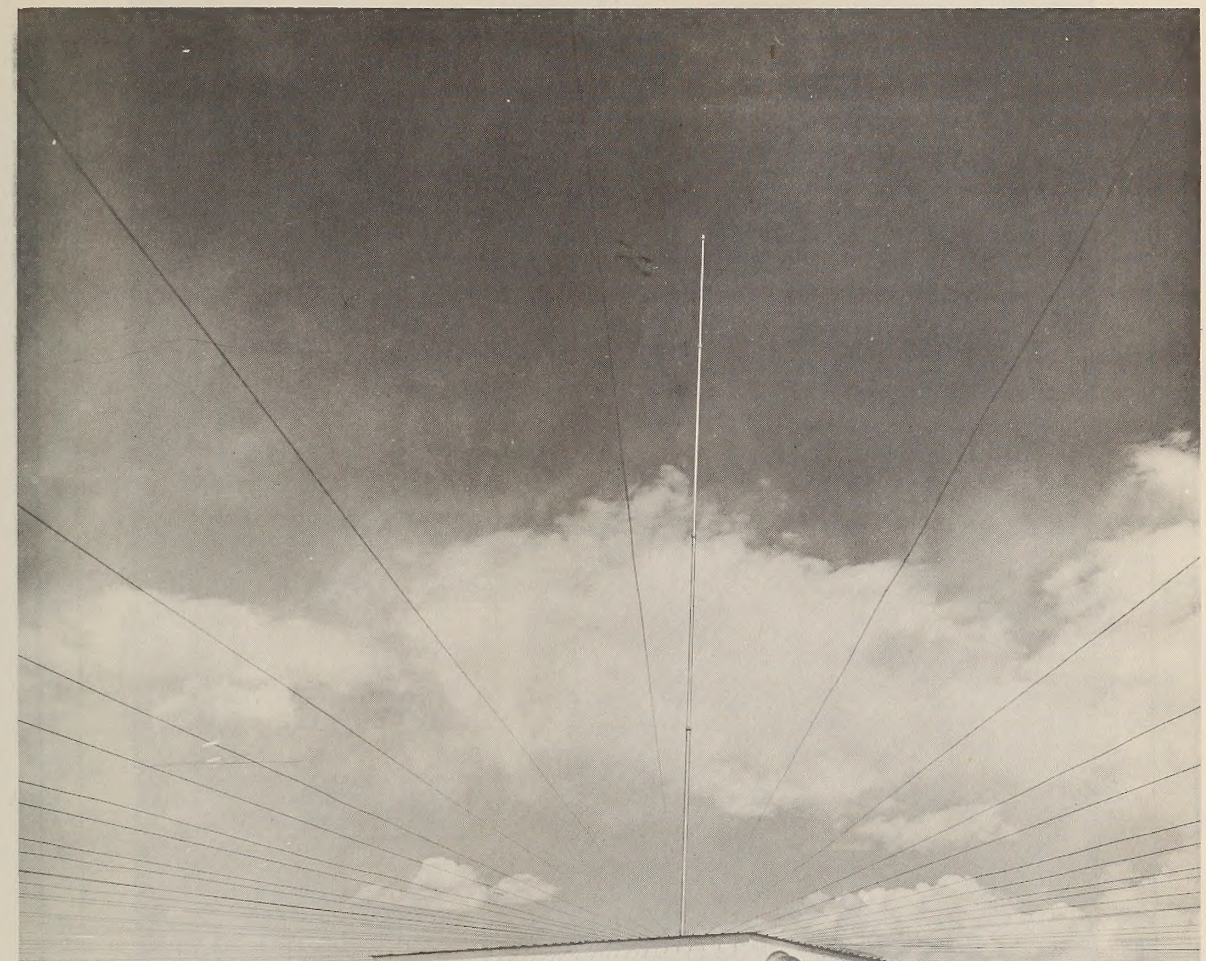
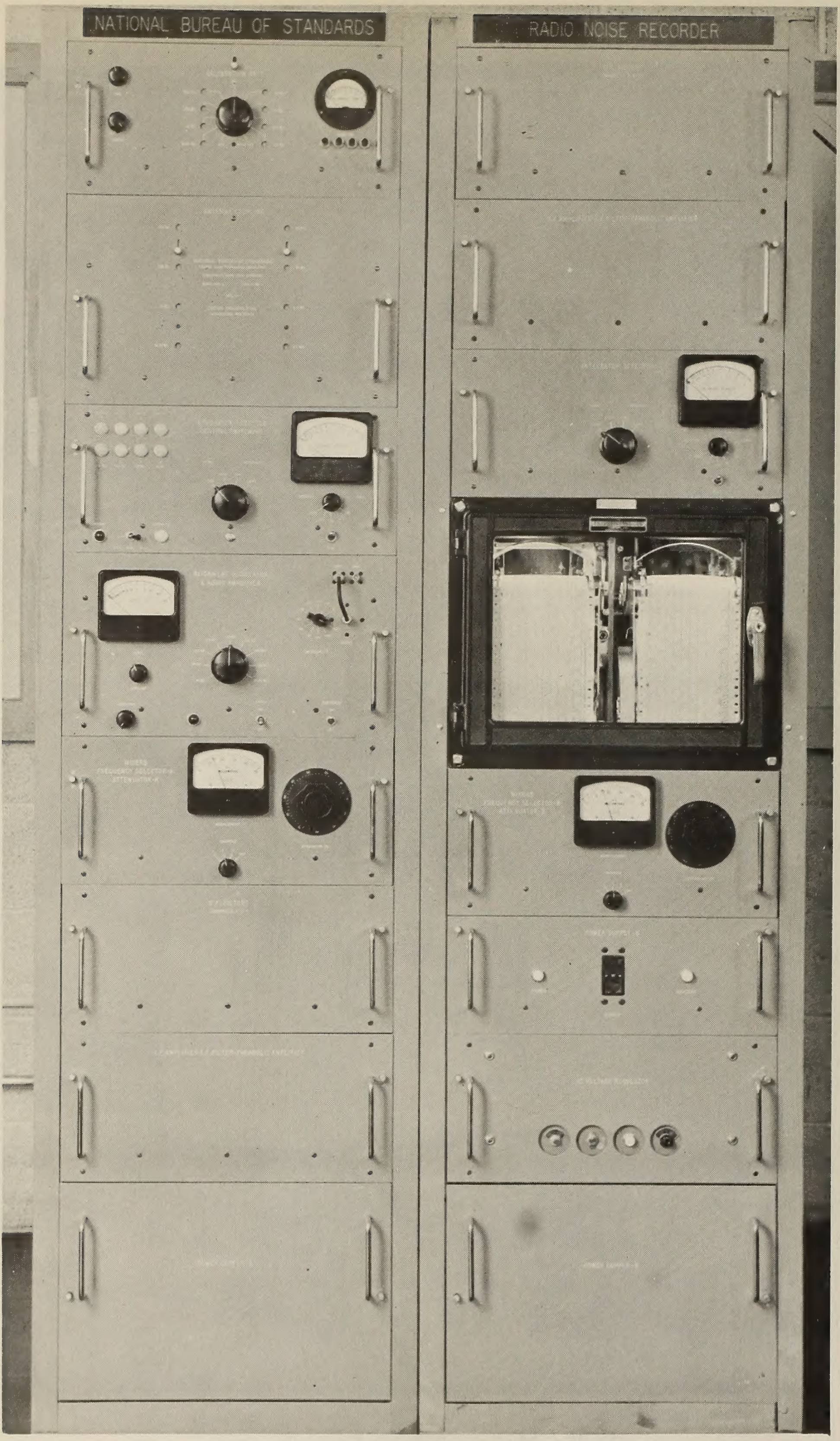
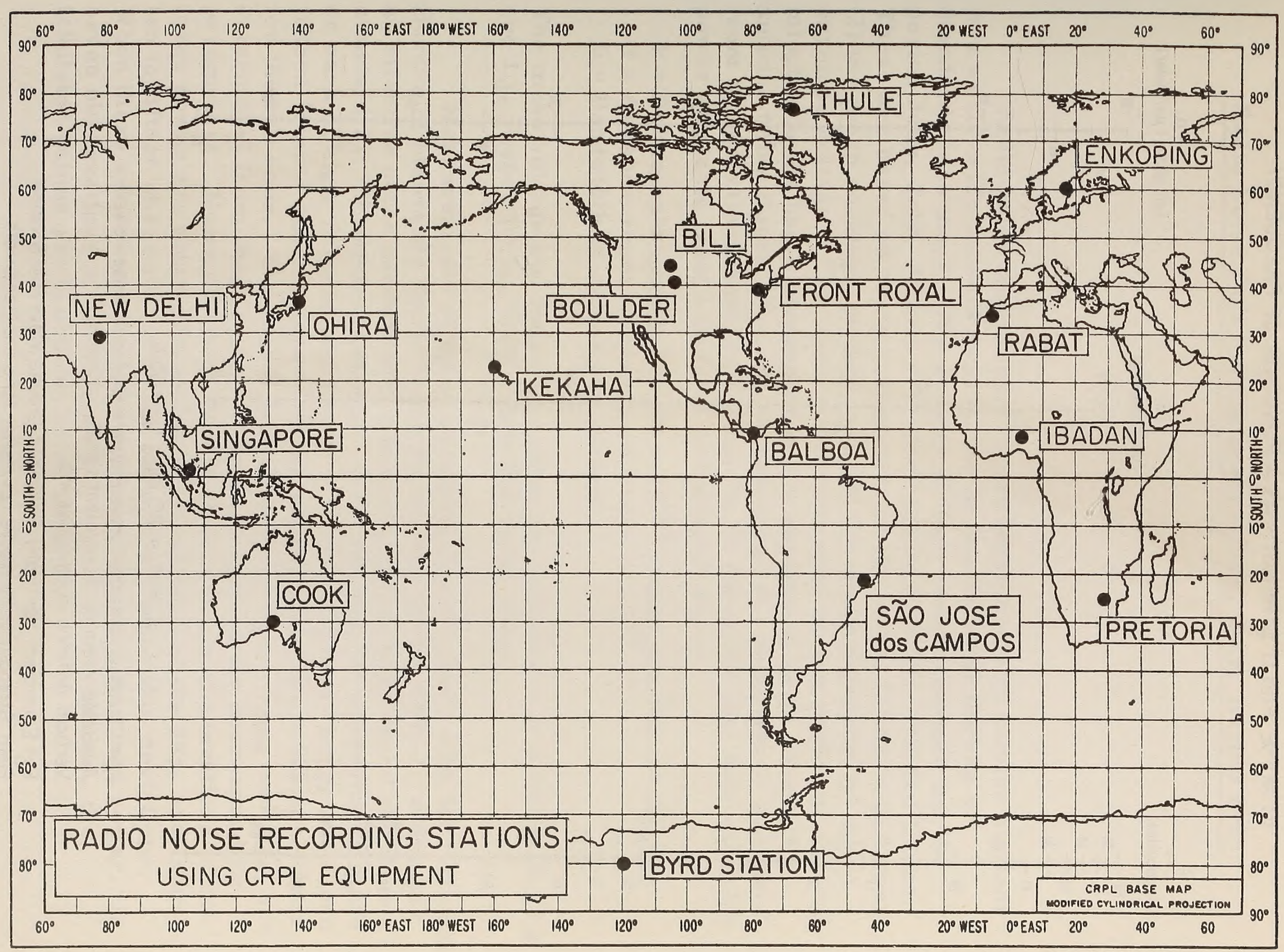


Radio Noise Recording Station

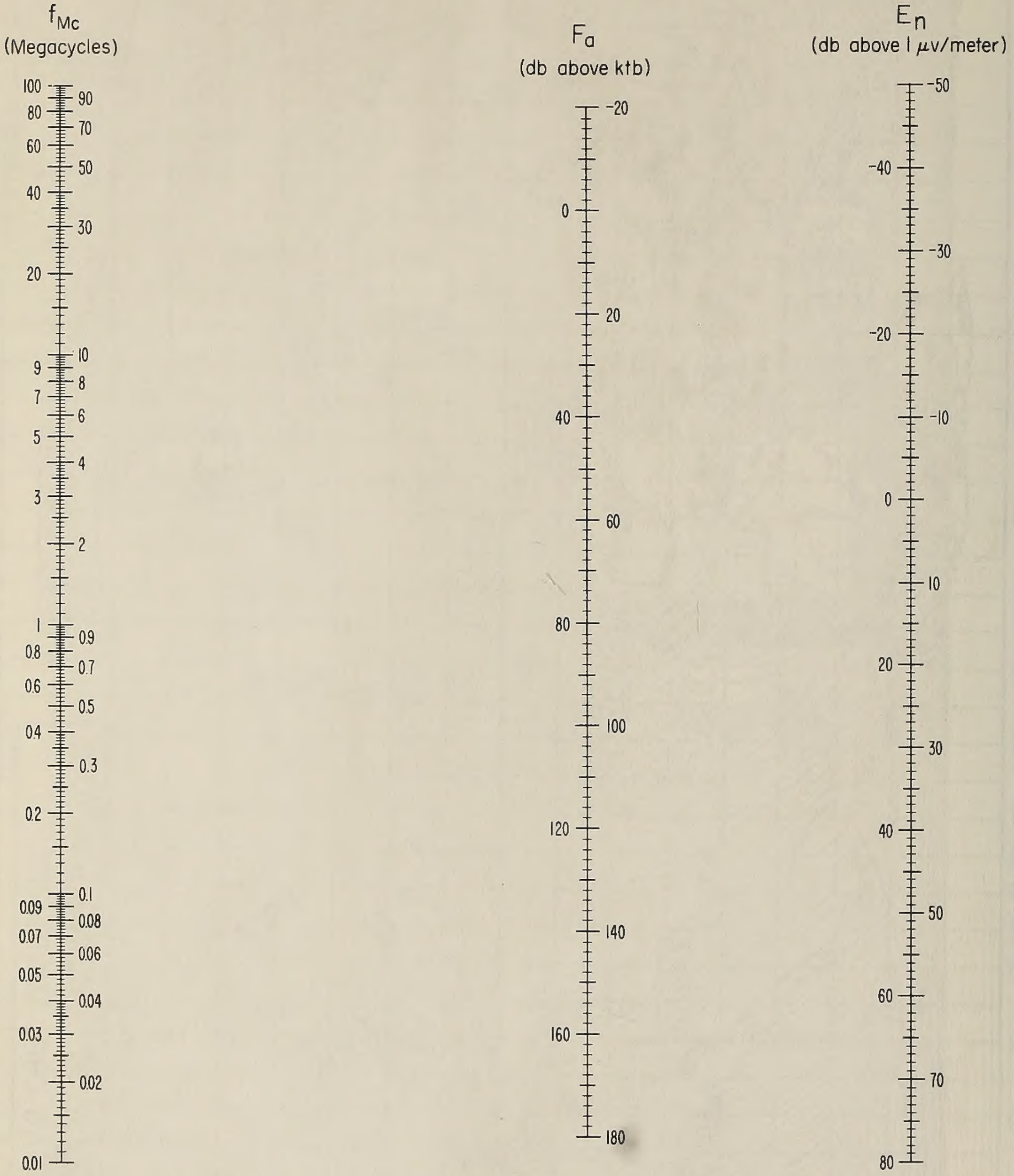


ARN-2 Atmospheric Radio Noise Recorder



RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season June, July, August 1959

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period June, July, August 1959 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38 x 10^{-23} joules per degree Kelvin)
t = Absolute room temperature (taken as 288° K)
b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d, respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 cycles per second and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [10], contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution by the method in reference 10, and can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

2. "Report on Revision of Atmospheric Radio Noise Data," C. C. I. R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).

4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6, 778 (1957).

5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.

7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46, 7, 1366 (1958).

8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).

10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D, 1, 49 (1960).

11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D, 1, 41 (1960).

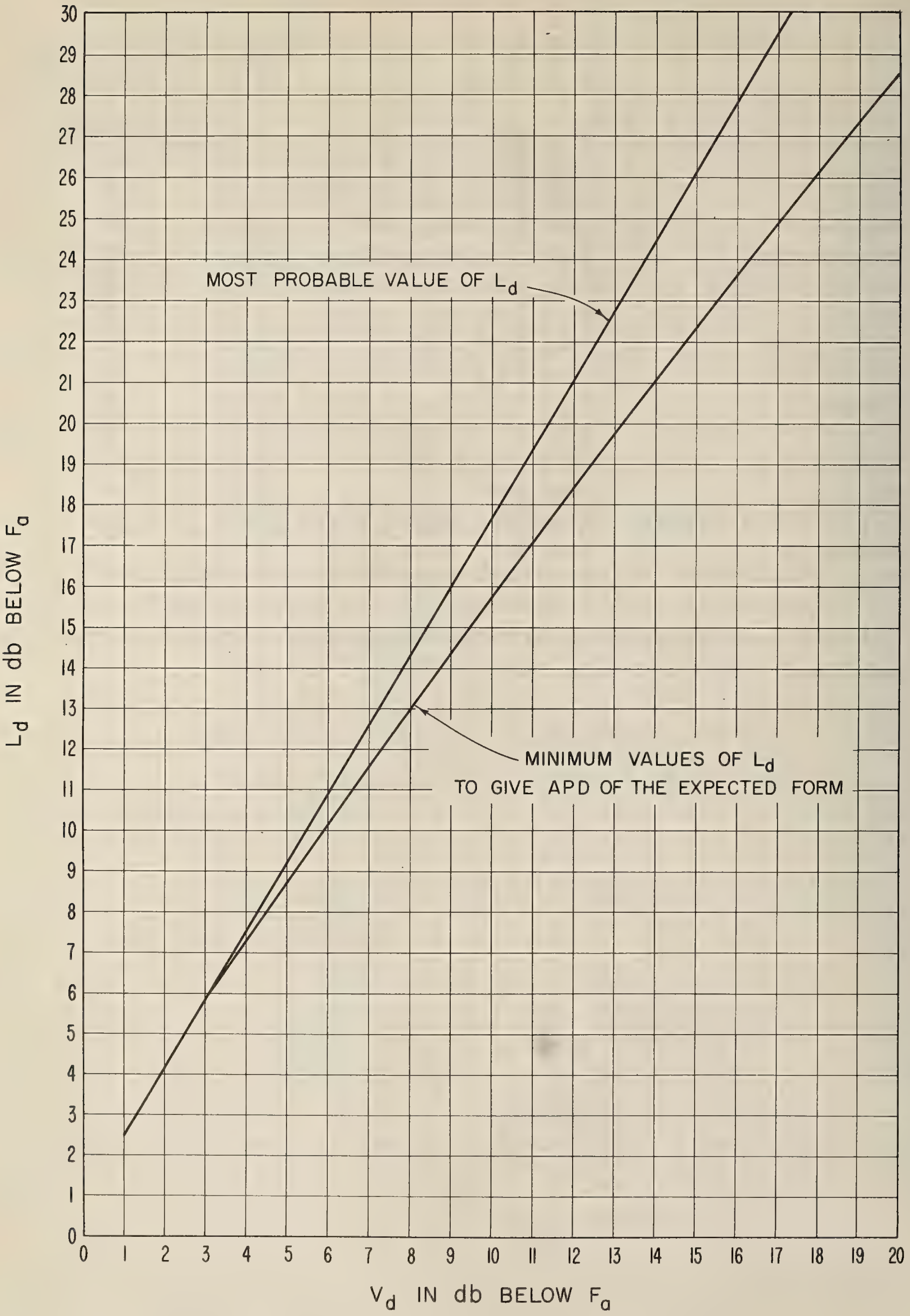
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	June July August 1959	75 W	+05
Bill	June July August 1959	105 W	+07
Boulder	June July August 1959	105 W	+07
Byrd Station	June July August 1959	120 W	+08
Cook	June July August 1959	135 E	-09
Enkoping	June July August 1959	15 E	-01
Front Royal	June July 1959	75 W	+05
Ibadan	June July 1959	GMT	0
Kekaha	June July August 1959	150 W	+10
Ohira	June July August 1959	135 E	-09
Pretoria	June July August 1959	30 E	-02
Rabat	June 1959	GMT	0
São José dos Campos	June July August 1959	45 W	+03
Singapore	June July August 1959	105 E	-07
Thule	June July August 1959	75 W	+05

Previous data from the NBS World-Wide Network have been published in the following Technical Note 18 series:

18-1	July 1, 1957 - December 31, 1958
18-2	March, April, May 1959

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month June 1959

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246										2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	141	8	4	10.0	16.0	130	7	6	9.0	14.0	112	8	5	9.5	16.5						66	5	7	5.5	11.0	59	4	8	4.0	8.5	44	3	4	*4.5	*9.0	29	4	4	3.0	5.0
01	142	8	4	10.0	17.0	130	7	5	9.0	15.0	114	7	8	10.0	18.0						66	4	4	7.0	12.5	59	4	5	5.0	9.5	44	4	3	*5.0	*9.0	28	6	3	2.5	4.5
02	144	7	6	11.5	16.5	133	6	8	10.5	15.5	115	8	6	11.0	18.0						66	4	7	*7.5	13.5	59	4	4	5.0	10.0	44	4	4	5.0	9.0	29	6	6	3.5	5.5
03	145	5	5	10.0	16.5	133	9	6	12.0	20.5	116	10	8	12.0	20.0						66	6	8	7.0	13.5	59	5	4	6.5	11.5	44	6	2	*5.5	*10.0	29	4	6	4.0	6.5
04	145	5	7	12.5	21.0	133	6	7	11.0	17.5	116	8	9	11.0	19.0						68	4	6	8.0	14.0	61	4	4	*6.0	*11.0	44	5	4	5.5	10.5	29	4	6	1.5	3.5
05	145	5	6	14.0	23.0	133	6	8	13.0	22.0	112	10	9	14.0	25.0						67	7	7	*8.0	*14.0	59	4	4	6.0	11.0	42	6	4	*6.0	*10.0	27	6	4	2.0	4.0
06	144	4	11	14.0	23.0	133	4	22	15.0	27.0	112	8	26	13.5	26.5						61	7	14	10.5	19.0	52	7	5	*8.0	*13.0	40	6	6	*6.0	*10.0	27	5	2	*3.0	*5.0
07	143	5	13	15.5	26.0	129	8	16	*16.0	*27.5	110	11	24	*14.5	*26.5						54	14	22	*11.5	*21.0	47	9	10	*9.0	*16.5	36	6	6	7.5	12.5	27	10	2	*3.0	*5.5
08	139	10	10	*16.5	*26.0	127	11	14	*15.5	25.5	111	8	28	*15.5	*27.0						49	18	27	*9.0	*16.0	41	13	17	*12.0	*17.0	32	6	8	*10.0	*16.5	25	6	4	3.0	5.0
09	141	6	12	*18.0	*27.5	127	10	19	*18.0	*29.5	107	15	26	*16.5	*28.5						48	16	26	*8.5	*18.0	41	13	20	*10.0	*16.0	30	8	10	*9.0	*15.0	25	6	4	3.5	6.0
10	140	7	11	*16.0	*25.5	119	18	10	*15.0	*25.0	102	18	20	*15.5	*26.5						44	20	22	*11.0	*20.0	31	22	14	*11.0	*16.5	28	10	10	*10.5	*16.0	23	11	2	4.0	6.0
11	137	10	10	*18.0	*27.0	124	15	13	*18.0	*29.0	108	12	23	*15.0	*26.0						44	18	22	*7.0	*14.0	33	22	16	*11.5	*18.0	28	8	10	*11.5	*18.5	25	5	3	4.0	7.5
12	139	8	7	*14.5	*23.0	127	12	12	*17.5	*28.5	108	16	12	*17.5	*28.5						44	16	20	*4.0	*7.0	33	21	12	*13.5	*24.0	30	14	10	*11.0	*17.5	27	8	6	*4.0	*7.0
13	141	7	6	15.5	23.0	129	12	8	18.5	29.0	116	10	17	*17.0	*28.5						48	20	12	*12.5	*24.0	43	20	14	*9.5	*18.5	34	16	10	9.5	17.0	32	10	9	6.0	10.0
14	143	10	6	*13.0	*19.0	133	12	12	*14.0	*23.0	116	14	12	*14.5	*25.0						54	26	18	*12.0	*21.5	45	24	15	*12.0	*20.0	36	18	8	*9.0	*15.0	29	14	6	4.5	7.5
15	143	11	7	13.0	23.0	131	12	10	14.5	24.0	114	13	13	*13.5	*24.0						59	23	21	*14.0	*24.0	46	24	13	*11.0	*17.5	37	13	5	8.0	13.5	31	10	4	4.0	10.0
16	141	9	6	12.0	18.5	130	11	7	*14.0	*22.0	112	12	12	14.0	21.0						54	18	19	*11.0	*20.0	47	13	10	*7.0	*12.0	40	7	6	6.5	11.5	31	6	4	4.0	6.0
17	142	5	7	12.0	19.0	127	8	8	11.0	19.0	108	13	10	14.5	22.5						50	17	18	*10.0	*17.5	50	8	6	*7.0	*12.0	42	8	4	*4.5	*7.5	30	4	3	3.0	6.0
18	139	9	5	10.5	16.5	125	11	4	12.0	21.0	109	11	9	14.0	19.0						56	11	13	6.0	11.5	55	6	5	*5.0	*9.0	44	2	2	5.0	9.0	29	6	3	3.0	6.0
19	139	7	4	11.0	17.0	127	7	7	10.0	17.0	110	7	9	11.0	18.5						64	7	9	*8.0	*14.0	61	2	7	*4.5	*9.0	44	2	2	4.5	8.0	29	4	4	3.5	6.5
20	139	6	3	9.0	15.0	128	8	5	10.0	16.0	111	8	6	8.5	14.5						66	5	7	6.0	12.0	59	4	5	4.5	8.5	44	4	3	*3.0	*6.5	29	5	3	3.5	7.0
21	141	7	4	8.5	15.0	128	9	4	7.5	13.0	112	7	7	*8.0	*14.0						66	5	7	5.0	10.0	61	3	4	4.0	7.0	46	5	4	4.0	7.5	29	3	4	3.5	5.5
22	141	6	4	8.5	14.0	128	7	5	8.0	14.0	112	8	7	8.0	14.0						66	6	7	*5.0	*10.5	59	4	5	*4.5	*8.5	46	4	4	4.0	7.0	29	4	2	3.0	6.0
23	141	7	4	*8.0	*14.0	129	7	6	8.0	12.5	114	6	8	*9.5	*16.0						66	6	6	6.0	11.0	59	4	5	5.0	9.0	44	4	2	5.0	8.5	29	5	5	3.0	6.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month July 1959

Hour (LST)	.051					.113					.246										2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	145	4	3	10.5	17.5	132	5	6	9.5	16.0	116	5	4	9.0	16.0						70	2	8	6.0	10.5	61	2	4	5.5	9.5	46	3	2	*5.0	*9.0	29	4	2	4.0	7.0
01	147	4	4	11.5	19.0	134	5	6	10.0	16.5	116	6	6	9.5	17.0						68	4	4	6.0	11.0	61	3	2	5.5	10.0	46	4	2	*6.0	*10.0	29	7	2	3.0	6.0
02	147	6	4	10.5	18.0	134	6	3	10.0	16.0	116	6	4	9.5	16.5						70	3	5	5.5	10.0	61	2	2	4.5	9.5	46	3	4	5.5	10.0	29	3	2	4.0	5.5
03	147	4	2	11.0	19.0	134	6	5	10.0	17.5	116	6	5	9.5	18.5						70	3	4	5.5	11.0	63	2	3	5.0	10.0	46	2	3	6.0	10.5	27	6	2	3.0	6.0
04	145	4	5	11.5	19.5	134	6	6	10.5	18.0	118	4	8	10.0	19.0						70	5	4	6.5	12.5	63	3	2	5.5	10.5	46	2	4	*7.0	*11.5	27	4	4	4.0	6.0
05	147	5	5	11.5	20.0	132	7	4	11.5	19.5	116	7	6	12.0	20.5						70	4	4	7.0	13.5	61	4	3	6.0	11.0	44	4	4	*6.0	*10.0	27	6	4	2.5	5.5
06	145	6	6	15.0	24.0	132	6	12	13.0	24.0	114	8	11	13.0	24.5						63	6	7	7.5	15.0	55	6	4	7.0	13.0	42	4	4	6.0	10.5	29	4	4	3.5	6.0
07	143	6	6	14.5	24.5	130	7	9	15.0	26.5	112	9	12	14.0	26.0						56	9	9	10.0	20.0	49	7	6	10.0	17.0	38	5	4	8.0	14.5	29	4	4	*4.0	*7.0
08	145	2	8	15.0	25.5	130	7	11	16.0	27.0	114	7	17	*14.0	*27.0						52	10	19	*11.0	20.5	45	9	7	11.5	19.5	36	4	6	7.0	14.0	29	6	4	4.0	7.0
09	141	10	6	16.0	26.0	128	10	8	15.0	27.5	112	12	10	*14.0	*27.0						50	16	15	*10.0	*19.0	41	14	10	13.0	20.5	32	10	4	*10.5	*16.5	27	10	4	5.0	8.0
10	141	12	6	15.5	25.5	126	14	14	15.5	27.0	111	13	24	*11.5	*23.0						50	18	26	*12.5	*22.0	37	21	14	*12.5	*19.0	32	12	8	*7.5	*13.0	27	8	4	3.5	6.0
11	141	10	6	15.5	24.5	126	10	16	*17.0	*28.0	110	12	24	15.5	29.0						48	23	23	*9.0	*16.0	37	20	16	*12.0	*19.5	28	12	6	8.0	13.0	27	8	4	4.0	6.5
12	141	8	6	14.0	22.0	126	12	15	*17.0	*27.5	110	12	22	*14.5	*27.0						42	32	16	*10.0	*19.5	35	24	16	*10.0	*17.5	30	18	6	7.0	12.0	29	13	4	4.0	7.0
13	143	10	6	13.0	20.0	130	12	10	*15.0	*26.5	112	14	14	*14.0	*26.0						52	32	28	*8.0	*17.0	43	25	19	*9.0	*16.5	34	18	8	8.0	14.0	31	16	6	3.5	6.5
14	141	16	4	13.5	21.0	128	14	8	14.0	22.0	116	10	15	14.0	24.5						54	26	20	*12.5	*21.0	43	25	15	*10.0	*18.0	34	14	4	*5.0	*9.0	33	12	4	3.5	7.0
15	145	8	8	*11.0	*17.0	131	9	12	13.0	21.0	116	8	14	*14.0	*26.5						62	12	28	*10.0	*21.0	51	14	20	*5.0	*8.5	40	8	10	8.0	14.0	33	4	4	4.5	7.5
16	145	7	6	11.0	17.0	132	10	9	13.0	21.5	114	12	10	13.0	24.0						58	16	21	12.0	17.5	47	16	13	*8.5	*14.5	40	7	5	5.5	9.5	33	6	3	4.0	7.0
17	143	8	4	10.0	17.0	130	9	9	12.0	20.0	114	12	10	15.0	24.5						54	23	14	9.5	17.0	51	15	9	7.0	12.0	44	9	2	4.5	8.5	33	9	2	*2.5	*5.0
18	142	6	3	10.5	17.5	128	8	5	13.5	21.0	110	11	4	13.0	21.0						62	7	8	6.0	11.5	57	4	5	5.0	9.5	46	4	4	4.0	8.0	33	4	2	4.5	8.0
19	142	6	4	9.0	16.0	128	7	4	9.0	16.0	112	7	4	8.5	15.0						68	4	7	6.0	11.0	61	4	3	5.5	8.5	46	3	1	5.5	9.0	31	6	2	4.0	7.0
20	143	5	2	9.5	15.5	130	5	4	8.5	15.0	114	6	5	8.0	15.5						68	4	5	5.0	9.5	63	2	5	4.0	8.0	48	2	2	*4.0	*7.5	31	2	4	4.0	7.0
21	145	5	4	10.0	16.0	130	6	4	10.0	15.0	114	6	6	8.0	13.5						68	4	4	5.0	9.0	63	2	4	4.0	8.5	46	4	2	*4.5	*9.0	31	5	3	4.0	7.5
22	145	4	3	8.5	15.0	132	4	5	7.5	12.0	114	6	6	8.0	14.0						70	3	7	5.5	10.0	61	3	3	*4.5	*9.0	48	2	5	*4.0	*8.5	31	5	4	4.5	7.5
23	145	4	4	9.5	16.5	132	4	4	8.5	13.5	116	6	7	8.0	14.5						68	4	4	5.0	10.0	61	3	3	5.0	9.0	48	2	5	*5.0	*8.0	31	3	3	4.5	8.0

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5 W Month August 1959

Hour (LST)	Frequency (Mc) .051					.113					.246										2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	147	6	6	10.0	16.5	133	7	6	8.5	15.0	117	8	8	8.0	14.0						66	6	9	5.0	10.0	61	3	8	4.0	8.0	46	4	5	4.0	8.0	31	4	4	4.5	7.5
01	147	6	5	9.5	16.0	133	8	6	8.5	14.0	119	6	10	*9.0	*15.0						68	4	6	4.5	10.0	61	3	8	4.0	8.0	46	4	4	4.5	9.0	29	7	5	4.5	7.5
02	149	6	8	10.5	18.0	135	6	8	9.0	16.0	119	8	9	8.5	15.5						68	6	6	4.5	9.5	61	4	8	4.5	9.0	46	2	6	5.0	9.0	29	4	6	4.5	7.5
03	149	4	8	10.0	17.0	135	6	8	9.0	16.0	117	10	9	8.0	15.5						68	6	8	5.5	11.0	61	4	4	5.0	9.0	46	2	6	6.0	10.0	27	12	4	5.5	8.5
04	147	8	8	10.5	17.5	133	9	5	8.5	15.5	119	9	10	10.0	18.0						68	7	5	6.0	11.5	63	4	8	4.5	9.5	46	4	8	6.5	10.5	25	16	2	5.0	7.0
05	147	8	6	11.0	18.5	133	9	7	10.5	18.0	117	11	11	11.0	20.5						68	8	6	5.5	11.5	60	7	6	6.0	10.5	44	4	10	*6.0	*11.0	25	14	2	2.0	4.0
06	145	10	10	12.5	21.0	131	12	9	14.5	24.5	117	12	16	15.0	27.0						63	10	10	8.0	15.0	55	10	10	8.0	13.5	40	9	4	7.0	11.5	27	12	4	5.0	7.0
07	143	14	8	*12.5	*23.0	129	14	9	15.0	26.0	116	10	17	*14.0	*26.0						52	23	16	*9.0	*17.0	45	22	9	8.5	16.0	36	11	5	9.0	14.5	29	11	4	5.0	8.0
08	143	10	8	*16.5	*25.5	130	11	10	*18.0	*29.5	113	8	18	*17.5	*28.0						48	20	16	*12.0	*22.0	43	11	13	*11.0	*18.0	32	8	4	7.5	13.0	27	6	2	5.0	8.0
09	143	10	12	*16.5	*25.0	127	11	10	17.0	29.0	111	8	14	*15.0	*25.5						44	14	14	*11.0	*18.0	37	14	6	*10.0	*16.5	31	7	7	*9.0	*15.0	25	8	2	5.0	8.5
10	139	8	6	*17.0	*26.5	127	8	13	*15.5	*26.0	112	9	17	*14.0	*24.5						44	17	16	12.0	19.5	35	12	14	*12.0	*19.5	28	6	3	9.5	14.5	25	4	2	5.0	8.0
11	139	6	8	14.0	24.0	127	8	10	18.0	25.5	109	10	19	*16.0	*27.0						40	18	12	*13.5	*19.0	37	9	21	*12.5	*19.0	28	4	10	11.0	17.0	25	4	2	5.0	7.0
12	139	8	4	*11.0	*20.5	125	10	12	14.0	24.0	109	10	17	*15.0	*27.0						42	15	18	*14.5	*21.0	33	13	15	*13.5	*19.0	28	6	9	*10.0	*16.0	27	4	4	4.5	7.5
13	142	9	7	12.5	20.5	127	11	9	*13.0	*20.5	113	12	19	15.0	26.0						45	13	21	*12.0	*20.0	35	23	13	*11.5	*18.0	32	14	9	9.5	15.5	31	23	6	7.5	10.5
14	145	12	10	*9.0	*14.0	135	12	10	*16.5	*25.0	120	13	13	*15.0	*25.0						58	29	28	*13.0	*22.5	51	22	22	*10.5	*18.5	38	16	8	10.0	16.0	31	16	4	3.5	6.0
15	145	10	8	*11.5	*17.5	131	11	12	13.0	21.0	119	8	18	14.5	25.0						58	26	24	*13.0	*19.0	47	20	14	*9.0	*15.5	36	14	7	*6.5	*11.0	35	7	9	5.5	9.0
16	145	7	9	9.5	15.0	131	12	12	15.0	23.0	117	9	18	14.5	22.0						58	18	25	*10.0	*18.5	45	17	8	*9.0	*14.5	38	10	3	*6.0	*11.0	33	5	3	3.0	5.5
17	141	8	6	9.0	15.0	129	9	11	12.0	20.5	113	12	16	11.0	19.5						51	18	12	10.5	18.5	49	10	9	*6.0	*10.0	44	2	9	5.5	9.5	33	6	4	3.0	5.5
18	141	10	6	7.5	13.0	129	11	12	10.5	16.5	113	11	14	*8.0	*14.0						56	14	15	6.0	11.0	56	8	9	*5.5	*9.5	46	4	4	*5.0	*8.0	33	6	3	3.0	6.0
19	143	8	8	8.5	14.0	128	10	7	8.0	14.5	113	11	8	7.0	12.5						66	8	13	5.5	9.5	61	4	7	4.5	8.0	48	2	5	4.5	8.0	31	7	3	4.0	6.5
20	142	8	5	8.0	13.5	129	9	4	8.0	13.0	115	6	7	7.0	12.5						68	8	10	5.0	9.0	61	4	7	3.5	7.0	46	2	4	5.0	9.0	31	4	4	4.0	6.0
21	143	6	4	8.0	14.0	131	6	6	7.5	12.5	115	7	8	8.0	14.5						66	6	12	5.0	9.5	61	4	8	2.5	5.0	46	4	4	5.0	9.0	31	4	5	4.0	7.0
22	143	8	4	8.5	15.0	131	9	6	7.5	13.0	116	9	7	6.5	12.0						66	6	11	4.0	8.0	61	3	6	4.0	8.0	46	2	4	4.5	8.5	31	5	4	4.0	7.0
23	145	7	6	9.5	16.0	133	6	7	8.0	13.5	117	8	7	9.0	15.0						67	5	7	4.5	9.0	60	4	8	4.0	7.5	46	4	5	4.5	9.0	31	6	5	5.5	9.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month June 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	144	7	7			121	10	12			113	10	8			96	13	6			74	8	6			65	3	4			48	4	4			26	2	2		
01	141	6	4			121	10	14			111	10	8			96	8	8			72	8	6			63	4	4			46	4	4			24	4	0		
02	139	8	4			119	10	14			109	6	6			94	8	8			72	6	10			63	6	6			45	5	3			24	4	0		
03	138	5	5			117	11	14			109	4	8			92	8	12			69	7	7			61	6	6			44	8	4			24	4	0		
04	135	4	6			111	12	18			103	8	19			80	12	16			56	10	10			53	5	4			44	6	4			24	2	0		
05	134	3	9			107	14	12			101	10	23			77	15	13			43	9	13			49	11	10			40	6	2			24	2	2		
06	131	10	4			104	17	11			99	12	12			74	12	10			38	8	14			40	9	10			38	6	4			24	4	2		
07	130	7	8			105	12	14			97	8	20			74	10	10			27	14	9			35	10	9			34	2	4			24	4	2		
08	131	6	8			103	16	10			95	12	18			69	13	5			24	10	6			29	3	4			32	2	4			24	6	2		
09	131	4	4			103	17	9			97	8	22			70	19	6			24	14	6			27	11	12			29	5	3			24	4	2		
10	131	6	6			106	13	9			97	12	18			73	17	9			22	20	6			27	6	10			30	4	8			24	2	2		
11	137	6	8			109	14	8			98	14	17			74	27	11			30	31	13			27	11	11			30	2	7			24	4	2		
12	139	7	8			117	12	16			105	13	14			86	21	18			26	43	8			34	18	17			32	6	6			26	4	4		
13	143	11	7			119	13	11			111	14	16			90	24	20			40	35	21			35	13	14			36	6	6			26	8	4		
14	142	15	7			121	14	14			108	22	12			99	21	25			58	24	40			35	16	14			36	14	4			26	15	2		
15	145	14	8			124	11	11			116	19	15			104	18	27			62	18	42			43	18	16			40	18	1			28	12	4		
16	146	11	9			126	11	11			118	10	13			103	17	25			61	23	39			50	17	17			42	8	4			30	14	6		
17	145	10	8			125	12	12			120	11	18			99	17	25			65	13	32			51	14	10			46	4	4			30	6	6		
18	145	6	9			126	13	13			119	14	16			104	12	28			60	15	19			56	9	9			50	2	4			30	6	6		
19	145	10	8			127	11	16			119	12	16			104	14	22			66	13	14			61	6	6			50	4	2			30	6	6		
20	145	10	7			127	14	16			117	14	10			100	16	17			74	7	11			65	6	4			52	4	4			28	8	4		
21	145	8	6			127	10	9			117	8	10			102	8	12			76	2	8			65	3	2			50	4	2			26	4	2		
22	145	4	8			123	12	10			117	4	10			100	8	11			75	3	7			65	3	4			50	4	4			26	4	2		
23	145	4	6			123	6	10			115	8	10			98	12	10			74	4	6			65	4	2			48	4	4			25	3	1		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

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MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month July 1959

Hour (LST)	Frequency (Mc) .051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	140	4	4			121	12	2			108	8	4			92	12	4			72	4	9			63	5	5			49	4	5			26	6	2		
01	138	5	4			121	6	4			108	5	4			91	8	4			72	7	9			63	4	4			48	7	3			26	5	2		
02	138	6	4			121	9	6			108	7	6			91	10	4			70	6	8			63	6	4			47	5	6			24	6	2		
03	138	4	4			120	7	7			106	7	6			87	11	4			70	6	8			63	4	6			46	5	5			24	4	2		
04	134	4	4			115	10	6			98	12	10			77	17	10			64	6	13			59	5	8			45	6	4			24	4	4		
05	132	4	4			114	11	9			96	13	17			73	19	8			46	11	11			50	7	12			41	8	3			24	4	6		
06	130	7	6			114	11	13			96	12	17			73	17	5			36	9	11			39	12	12			39	5	6			24	5	5		
07	130	5	4			113	8	12			92	13	20			69	19	2			25	17	5			31	17	9			36	4	7			24	4	4		
08	130	6	4			111	12	10			93	14	18			70	16	5			22	17	3			27	11	10			33	6	6			24	3	6		
09	130	5	5			111	8	8			93	15	17			69	18	3			22	13	4			25	9	8			31	7	6			24	4	4		
10	134	4	8			*113					90	20	10			75	20	8			22	24	4			23	10	6			30	5	5			24	4	4		
11	136	6	5			115	10	2			99	17	11			80	26	12			26	35	8			27	14	10			32	5	5			26	6	4		
12	138	8	3			120	11	5			106	14	14			89	23	16			35	37	17			27	26	8			35	8	10			26	10	4		
13	138	10	2			124	12	7			110	18	13			99	16	18			44	34	18			33	28	14			37	14	7			28	12	2		
14	140	10	2			125	14	6			112	18	10			97	20	16			56	24	26			41	24	12			39	13	10			28	12	4		
15	142	10	4			127	6	7			113	15	7			97	20	15			60	15	30			41	22	12			41	12	6			28	8	2		
16	142	10	4			127	11	8			114	12	8			99	13	19			56	24	22			45	23	10			45	5	8			30	6	3		
17	142	8	4			127	8	4			114	13	8			97	17	18			56	15	23			46	13	7			47	4	7			32	5	6		
18	142	6	5			125	4	4			110	16	8			94	17	18			56	16	15			51	10	8			49	12	2			32	6	5		
19	140	8	6			125	4	4			110	17	8			90	26	10			56	15	8			59	6	12			53	4	4			32	6	7		
20	140	12	2			125	15	2			110	17	4			95	19	10			68	8	6			65	5	6			53	8	6			28	8	4		
21	140	8	2			123	13	2			108	18	4			93	24	6			72	9	8			65	7	5			53	4	5			26	10	2		
22	140	10	4			121	17	2			108	14	6			93	13	6			72	9	6			65	5	4			51	6	6			26	7	2		
23	140	4	4			121	10	4			108	8	6			93	11	4			72	6	8			65	4	7			49	5	4			26	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month August 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	6	4			123	6	9			109	7	8			95	6	6			71	4	6			60	8	6			42	4	6			26	10	2		
01	138	6	5			122	7	7			108	8	8			95	6	8			71	8	8			60	6	4			42	2	4			26	8	2		
02	138	4	6			122	7	9			108	6	9			95	6	7			71	8	6			58	8	6			42	4	8			26	10	4		
03	136	6	4			121	6	8			107	7	8			92	9	6			69	6	6			58	6	6			40	6	6			24	12	2		
04	136	4	6			119	8	8			102	11	10			83	12	12			67	8	8			56	6	6			40	2	8			24	10	2		
05	132	6	6			115	6	10			98	8	15			75	16	10			53	10	8			49	5	7			38	6	6			26	10	4		
06	130	6	4			115	6	12			95	11	15			70	21	7			39	12	10			39	7	11			37	5	5			30	6	8		
07	130	4	6			111	12	16			92	16	15			69	20	6			29	18	8			36	4	14			34	4	8			32	4	10		
08	130	6	8			111	10	12			93	15	18			71	18	6			23	22	4			25	12	7			32	2	8			26	8	5		
09	130	4	5			113	7	14			96	9	16			73	11	7			21	19	2			20	10	6			30	2	9			30	4	9		
10	132	4	5			113	8	12			98	14	14			72	18	6			21	14	2			20	7	6			32	1	13			31	2	11		
11	134	3	5			113	6	6			96	11	10			73	15	7			21	11	2			18	9	4			30	4	8			27	7	8		
12	136	4	3			117	7	6			100	12	6			81	17	9			26	20	9			21	11	7			32	3	8			28	6	4		
13	138	6	2			119	8	6			106	12	8			91	10	14			33	21	13			26	9	9			34	2	8			28	6	5		
14	140	2	4			123	8	8			110	10	12			93	18	18			44	19	22			32	11	13			34	6	4			30	6	6		
15	140	4	4			123	10	6			110	10	8			95	14	18			48	22	25			34	20	8			38	4	4			30	6	4		
16	140	8	2			125	8	8			114	10	14			97	8	22			51	20	27			42	10	12			40	4	4			32	2	6		
17	140	6	4			127	4	10			114	4	16			95	10	20			43	18	12			48	4	12			44	2	4			32	4	6		
18	140	4	4			127	4	10			114	6	14			95	8	19			53	12	10			52	8	8			46	4	4			34	2	8		
19	142	2	6			127	4	6			112	6	8			93	10	8			61	14	6			58	8	4			48	4	4			32	4	8		
20	142	4	6			127	5	9			112	8	7			95	9	5			71	6	4			62	6	4			46	4	4			30	6	4		
21	140	4	4			126	5	7			112	8	8			97	9	6			73	6	6			60	6	6			46	2	4			32	4	8		
22	141	3	8			127	4	10			112	6	10			96	9	6			73	6	8			62	6	6			46	2	6			32	4	8		
23	140	5	6			123	6	7			108	10	7			95	7	4			73	6	8			60	6	6			42	6	4			32	4	10		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month June 1959

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	139	2	4	7.0	12.5	126	2	8	6.0	11.0	112	2	9	*6.0	*11.5	96	4	6	5.5	11.0	73	4	3	4.0	8.0	63	4	2	4.0	8.0	48	6	4	5.0	9.0	26	2	0	2.0	3.5
01	137	4	4	8.0	13.5	124	4	6	*6.5	*12.0	108	7	4	5.5	12.0	94	6	4	5.0	11.5	73	2	6	4.0	9.5	62	3	4	4.5	9.0	50	4	4	*5.0	*9.0	26	4	2	2.0	3.5
02	138	3	5	7.5	14.0	122	7	2	6.5	12.0	108	7	5	5.0	10.0	94	6	6	5.0	11.0	71	4	3	6.0	10.0	61	4	4	5.0	11.0	48	6	4	*5.0	*9.5	26	2	2	2.0	3.5
03	135	4	2	7.5	15.0	122	5	6	7.0	14.0	106	5	6	6.5	13.5	83	7	7	*8.5	*15.0	71	4	6	6.0	12.0	59	4	8	5.5	11.0	46	6	4	5.5	9.0	26	2	2	2.0	3.5
04	129	6	2	10.0	17.5	114	12	9	8.0	15.5	96	11	14	*9.5	*18.0	70	16	6	6.0	10.0	63	6	6	*6.5	*11.5	55	2	5	*5.5	*10.0	44	6	4	*5.5	*9.0	26	2	2	2.0	3.5
05	129	4	6	9.5	18.0	112	8	11	*10.0	*18.5	92	15	12	*11.0	*19.5	68	16	6	5.5	8.5	57	6	6	5.0	7.5	47	6	3	6.0	10.0	42	4	6	5.5	8.0	26	2	2	2.0	4.0
06	127	6	4	10.0	18.5	108	12	7	12.0	20.0	92	13	16	*10.0	*19.0	67	13	7	*4.0	*7.0	47	4	3	*5.0	*7.0	43	5	6	*4.0	*7.0	40	5	7	5.0	8.0	26	4	4	2.0	4.0
07	127	8	6	10.0	17.5	108	15	10	*12.0	*19.0	92	14	16	*8.0	*15.5	66	23	7	4.5	8.0	46	4	3	2.0	4.0	41	2	2	2.5	5.0	36	4	6	4.5	7.5	26	4	3	*1.5	*3.5
08	125	9	4	11.0	18.0	104	8	8	*11.0	*19.0	88	12	14	*8.0	*14.5	66	14	8	*2.0	*4.0	*47			*2.0	*4.0	*43			*2.5	*4.0	*36			*6.0	*9.5	*24			*2.0	*4.0
09	*128			*12.0	*20.0	*106			*8.0	*15.0	*90			*6.5	*8.5	67	31	6	*8.5	*15.5	*47			*2.0	*4.0	*43			*2.0	*5.0	*34			*7.0	*9.0	*29			*2.5	*4.0
10	129	8	4	*13.0	*20.0	110	12	8	*10.5	*16.5	95	17	15	*12.0	*18.0	77	24	11	*12.0	*17.5	47	26	0	*2.0	*4.5	43	4	2	*2.0	*4.0	34	6	4	*5.0	*9.0	29	3	6	4.0	5.5
11	133	10	6	11.0	18.0	119	10	10	*11.0	*18.0	102	17	15	*11.0	*17.5	91	21	24	12.0	220	55	19	7	*8.0	*12.0	47	17	6	*8.0	*10.0	38	12	10	6.0	8.5	28	10	4	3.0	5.0
12	139	9	10	10.5	16.0	124	13	14	9.0	15.5	114	13	23	*10.0	*17.5	103	11	31	*12.0	*22.5	61	20	14	*11.0	*17.5	46	21	7	10.0	11.5	42	16	10	*7.5	*11.5	31	7	7	4.0	6.5
13	139	10	8	9.5	15.0	*126			*9.5	*16.0	*115			*8.5	*15.0	104	8	23	*9.5	*18.0	*71			*2.0	*4.0	*53			*5.0	*8.0	*46			*5.0	*9.0	32	8	10	*4.0	*7.5
14	145	5	11	*8.0	*13.0	128	10	8	*10.0	*17.0	115	10	19	*9.5	*16.0	106	8	26	*11.5	*20.0	73	10	26	*9.0	*15.0	55	12	12	*10.5	*17.0	46	12	10	5.0	9.0	34	10	8	5.5	10.0
15	142	9	7	7.5	12.0	128	7	12	*6.5	*10.5	118	6	21	*7.0	*11.0	104	10	24	*8.0	*13.0	73	10	26	10.0	17.0	55	10	10	9.0	16.5	48	7	6	4.0	8.0	34	10	8	5.0	7.0
16	143	6	10	7.0	12.0	130	6	14	*9.0	*15.0	120	4	17	*10.0	*17.0	104	7	19	10.0	17.0	69	13	20	*9.0	*15.0	53	14	10	*4.0	*7.5	48	9	11	3.5	7.5	32	10	6	*3.0	*4.5
17	143	6	9	6.0	11.0	130	4	12	*8.0	*14.0	118	4	14	8.0	16.0	102	8	14	7.0	15.0	66	12	17	*5.0	*9.0	55	8	6	4.0	8.0	50	6	8	3.5	8.0	33	11	9	3.0	5.0
18	143	4	8	6.0	11.5	128	7	8	7.5	13.5	114	8	12	8.0	14.5	100	9	12	6.5	13.0	64	7	9	5.5	9.0	57	8	8	4.0	7.0	52	4	2	5.0	8.0	32	8	6	3.0	5.5
19	141	6	6	7.0	13.0	130	4	12	7.5	13.0	116	4	11	8.0	14.0	100	6	9	6.5	12.5	65	8	4	3.5	8.0	61	14	4	3.5	6.5	54	4	7	*3.5	*7.0	30	8	4	3.0	5.0
20	143	2	8	6.0	11.0	126	8	4	7.5	13.5	114	6	5	8.0	13.0	98	6	6	5.0	10.0	73	6	2	3.5	8.0	65	4	4	4.0	8.0	55	3	9	*4.0	*8.0	28	8	2	3.0	4.5
21	141	4	6	6.0	10.5	126	6	5	*6.5	*11.0	114	5	8	5.0	10.0	98	6	5	4.0	8.5	74	3	3	4.5	8.5	65	6	6	4.0	8.0	54	2	8	5.0	8.5	28	4	4	2.5	4.5
22	141	4	6	6.0	11.0	126	5	6	*6.0	*10.5	112	5	6	7.0	10.5	98	4	7	5.0	9.0	75	2	4	4.0	8.0	65	4	4	4.0	8.0	52	4	6	*5.0	*8.0	26	4	2	2.0	4.0
23	141	0	6	6.0	11.5	126	5	8	6.0	11.5	112	6	9	5.0	9.5	98	5	8	4.5	9.0	75	2	6	4.0	8.0	63	4	4	5.0	9.0	52	2	6	5.0	9.0	26	4	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colo. Lat. 40.1 N Long. 105.1 W Month July 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	165	4	4	10.0	17.5	140	5	4	7.0	14.0	117	9	7	6.0	11.5	93	8	6	6.0	12.0	74	7	7	4.5	10.0	61	5	5	4.0	9.0	49	3	6	5.0	8.0	30	2	3	2.0	4.0
01	163	4	3	11.0	19.0	140	3	5	8.0	15.0	115	10	4	8.0	14.0	93	8	5	6.5	14.0	74	6	6	5.0	10.0	61	4	5	4.0	9.0	49	3	5	5.0	9.0	30	1	4	2.5	4.0
02	163	4	2	11.5	18.5	140	3	6	9.5	16.0	115	8	4	7.0	14.5	95	4	7	6.5	14.0	74	4	8	5.0	10.0	61	2	5	5.0	10.0	47	4	4	5.5	10.0	30	1	4	2.0	3.5
03	161	5	0	11.0	19.0	138	4	4	9.5	15.5	115	7	5	9.0	14.0	91	4	4	7.5	16.0	72	6	6	5.0	10.5	59	4	3	5.0	9.5	47	2	4	5.0	9.0	28	2	2	1.5	3.5
04	161	4	2	11.5	19.5	136	4	7	10.5	18.0	111	5	16	11.0	18.5	81	7	19	9.0	14.5	70	4	8	6.0	12.0	56	5	3	5.0	10.5	45	2	4	5.5	9.0	28	3	2	2.0	3.5
05	161	2	4	12.0	20.0	132	4	5	11.5	18.5	107	8	15	12.5	20.0	75	8	13	9.0	15.5	54	5	4	4.5	8.0	47	5	6	5.0	9.0	43	3	6	5.0	8.5	28	2	2	2.5	4.0
06	161	3	3	12.5	21.0	131	5	4	11.0	17.0	107	8	18	12.0	21.0	75	10	16	9.0	12.5	50	4	4	*2.0	*4.5	41	5	6	3.0	5.0	39	4	4	4.5	8.0	28	3	2	2.5	4.5
07	159	5	2	13.0	21.0	130	4	4	10.5	17.5	103	12	15	13.5	21.0	71	16	13	5.5	6.5	48	4	2	1.5	3.0	39	3	6	2.5	4.5	37	4	5	6.0	9.5	30	2	4	2.5	4.0
08	*161			*14.0	*20.5	*130			*10.5	*16.5	*101			*14.0	*23.5	*72			*3.5	*7.5	*50			*2.0	*3.5	*40			*1.0	3.5	*33			*2.5	5.5	*30			2.5	4.0
09	161	3	6	*14.0	*21.0	132	6	6	9.5	15.0	101	12	10	14.0	22.0	75	9	13	*2.5	*5.0	50	2	2	*1.5	*3.5	41	2	2	2.0	4.0	33	4	2	4.5	8.0	30	2	3	3.0	5.0
10	161	3	2	11.5	18.5	134	4	4	9.5	15.5	105	14	8	12.0	18.0	83	21	20	*11.0	*16.0	50	4	2	*2.0	*3.5	41	3	3	2.0	4.0	33	8	2	6.0	8.0	30	4	2	3.5	6.0
11	165	5	2	10.5	17.5	138	9	4	8.0	13.5	113	15	10	9.0	15.5	93	17	29	11.5	19.0	54	16	5	4.5	6.0	43	18	4	3.5	5.5	37	12	9	5.0	8.0	32	8	2	3.0	5.0
12	167	5	2	8.5	15.0	142	11	6	7.0	12.0	121	11	16	10.0	18.5	103	12	25	11.0	19.0	64	19	15	9.0	16.5	49	16	9	2.0	5.0	41	12	9	5.5	10.0	34	9	4	4.0	6.5
13	169	4	2	7.5	13.5	144	8	6	7.0	12.0	123	14	14	8.0	14.5	105	14	16	8.0	13.0	70	16	18	*9.0	*17.0	49	18	8	*6.0	9.0	42	21	7	9.0	14.5	36	12	6	4.5	8.0
14	171	2	4	7.0	13.0	146	8	6	7.0	12.0	125	10	17	7.0	13.0	107	9	21	9.0	16.5	70	18	18	11.5	18.5	51	18	10	6.0	10.0	44	15	8	5.0	10.0	36	10	4	5.0	9.0
15	171	3	3	6.0	11.0	146	7	6	6.0	10.5	125	8	13	7.5	12.5	105	8	12	7.0	13.0	76	10	24	10.0	19.0	53	11	12	8.5	14.0	45	6	6	5.0	9.5	36	6	3	4.5	8.0
16	169	4	2	6.5	11.5	146	6	6	6.0	10.0	127	7	14	8.5	15.0	107	4	20	8.5	14.0	72	10	21	10.0	17.0	53	7	9	7.0	13.0	47	4	4	3.5	7.5	36	3	4	3.5	6.0
17	169	2	2	7.0	11.0	144	8	7	6.5	10.5	126	7	14	9.0	14.0	103	9	28	7.0	13.5	70	10	17	8.0	14.5	51	9	7	4.0	7.0	51	2	6	4.0	7.5	36	8	4	4.0	7.0
18	169	5	4	7.5	13.0	144	9	6	6.5	12.0	123	10	14	7.0	17.5	101	11	20	7.0	14.0	66	19	13	10.0	16.0	55	10	6	4.5	7.5	53	2	3	3.5	7.0	38	8	6	3.5	6.0
19	167	8	4	7.0	12.5	144	5	6	6.5	12.0	123	9	14	6.5	11.0	97	11	15	5.0	9.0	66	15	9	4.5	8.0	61	4	11	3.0	6.5	55	4	5	3.5	7.5	34	7	3	4.0	6.5
20	167	4	3	8.0	14.0	143	5	6	6.0	11.0	123	7	12	6.0	11.0	97	8	10	4.0	7.5	74	8	6	4.0	8.0	63	6	3	3.5	7.0	53	4	4	4.0	7.0	32	4	3	3.0	5.5
21	166	4	2	8.5	14.0	143	4	5	7.0	12.0	121	8	11	6.0	11.5	95	9	8	5.5	14.0	74	8	4	3.5	8.0	63	5	4	3.5	7.5	51	4	3	4.5	8.0	30	4	2	2.0	4.0
22	165	4	3	9.0	16.5	142	8	6	7.0	13.0	119	9	9	6.5	12.5	95	9	8	6.0	13.0	76	6	6	4.0	8.5	63	5	5	4.5	8.5	51	2	5	4.5	8.5	30	3	2	2.5	4.5
23	165	3	4	10.0	17.0	140	6	4	7.5	12.0	119	7	10	6.0	12.0	95	7	8	5.5	12.0	74	7	8	4.5	9.0	63	4	7	4.5	8.5	49	4	4	5.0	9.0	30	2	4	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month August 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	165	2	4	10.0	17.0	140	4	4	8.0	14.5	117	7	7	6.5	13.5	94	7	5	6.0	12.0	70	5	5	4.0	8.0	61	4	3	4.0	9.0	47	4	3	5.0	9.0	28	2	2	1.5	3.5
01	163	4	3	9.5	16.0	140	4	4	8.0	15.0	118	2	8	7.0	14.0	94	9	4	6.0	12.5	70	4	5	5.0	9.0	61	3	4	4.0	9.0	45	6	2	5.0	8.5	26	2	0	2.0	3.5
02	163	4	2	9.5	17.0	140	3	5	9.0	16.0	117	4	8	7.5	15.0	94	4	6	6.5	14.0	70	4	5	4.5	9.0	60	4	3	3.5	8.0	46	4	6	5.0	9.0	26	2	0	2.0	4.0
03	163	4	4	11.0	18.5	140	3	4	10.0	17.0	115	6	6	7.0	14.0	91	11	5	7.0	15.0	69	5	5	5.0	9.0	60	3	3	4.0	7.5	45	4	5	4.5	9.0	26	2	2	1.0	4.0
04	161	4	2	11.0	19.0	136	5	4	10.5	18.5	109	9	6	9.5	19.0	79	16	7	*9.5	*16.0	67	5	5	6.0	10.0	57	6	2	5.0	10.0	43	4	4	5.5	10.0	26	1	1	1.5	4.0
05	161	4	2	11.5	19.5	134	4	4	10.5	19.0	103	4	11	11.0	20.0	68	22	6	6.0	10.0	54	7	4	5.5	6.0	51	6	4	5.0	9.0	41	4	2	4.0	9.0	28	4	2	2.0	5.5
06	161	2	2	11.5	19.5	132	7	3	10.5	19.0	101	6	10	11.0	20.5	64	23	6	6.0	9.0	48	7	4	3.0	4.5	43	4	4	4.0	8.0	39	5	4	5.5	7.5	28	6	2	3.0	6.0
07	161	2	3	12.0	20.5	130	8	3	11.0	20.0	102	12	16	12.5	22.0	66	18	6	*5.0	*7.5	46	2	4	2.0	4.0	41	2	5	3.0	5.0	37	3	5	4.0	8.0	28	4	2	3.0	6.0
08	*160			*13.0	*21.0	*130			*11.0	*20.0	*101			*13.0	*22.5	*64			*6.0	*9.0	46	2	4	*3.0	*4.0	*39			*1.5	*5.5	*33			4.5	6.5	*28			3.0	5.0
09	161	4	4	*13.0	*20.5	132	4	2	12.0	20.0	99	7	10	12.0	21.0	64	13	2	*3.5	*6.0	48	0	6	*2.0	*3.5	39	2	3	*2.0	*4.0	29	4	2	3.0	5.5	28	4	2	2.5	4.5
10	161	4	2	12.0	20.0	134	4	6	10.0	17.5	101	8	9	9.5	18.0	70	16	7	5.0	9.0	48	0	6	1.5	3.5	41	0	4	2.0	4.5	31	2	4	3.5	5.5	28	7	2	2.5	5.5
11	165	2	4	9.5	17.0	138	4	6	8.0	14.0	105	13	6	8.0	15.0	82	14	17	*9.0	*15.0	48	8	4	2.0	4.0	41	2	2	2.5	5.0	33	4	4	5.0	6.5	30	6	3	3.5	5.5
12	167	3	2	8.5	15.0	140	5	2	7.0	13.0	115	10	10	9.0	16.5	92	15	19	9.0	17.5	50	13	4	*2.0	*4.0	43	11	5	*3.0	*5.0	37	9	5	*4.5	*8.0	32	4	4	4.0	6.0
13	169	2	3	8.0	14.0	144	7	4	7.5	12.0	119	12	10	7.5	15.5	96	15	18	6.5	14.0	60	10	12	*10.0	*8.0	47	11	6	*5.0	*8.5	40	6	4	*4.5	*9.0	32	7	2	3.0	6.0
14	169	4	2	6.5	12.5	144	7	4	6.0	11.5	121	10	8	7.5	14.0	101	13	17	9.5	16.5	58	16	8	*9.5	*15.0	46	13	4	*8.5	*12.0	42	6	3	4.5	8.5	34	8	3	2.5	5.0
15	169	4	2	7.0	12.0	145	5	5	6.0	11.0	123	7	10	7.0	12.0	100	9	15	9.0	17.0	60	11	10	9.5	15.0	47	9	4	4.5	8.0	45	4	4	3.5	7.5	34	7	3	2.0	5.5
16	169	4	2	6.0	12.0	146	3	6	5.5	10.5	123	6	8	7.5	12.0	100	10	12	7.5	15.0	60	12	10	10.0	14.0	51	8	6	4.5	8.0	47	3	2	3.5	7.0	36	7	5	3.0	6.0
17	169	2	2	6.5	12.0	144	4	5	6.0	11.0	123	5	8	6.5	12.5	98	10	14	8.0	14.0	58	14	10	8.5	11.5	55	4	4	4.0	8.0	51	1	4	3.5	8.0	36	8	4	3.5	7.0
18	169	2	2	7.0	13.0	144	4	6	6.0	11.0	123	4	11	7.5	13.0	98	5	16	6.5	13.5	60	8	6	6.0	10.5	59	0	4	3.0	7.0	51	3	2	3.5	7.0	36	7	6	3.5	7.0
19	167	2	2	7.0	13.0	144	3	5	7.0	13.0	122	3	7	6.0	11.0	96	5	18	5.0	10.0	68	4	6	4.5	8.0	63	4	2	4.0	8.0	53	3	2	4.0	8.0	32	7	2	3.0	6.5
20	167	2	4	8.5	15.0	144	2	4	6.5	12.0	121	2	8	7.0	12.0	96	4	16	5.5	11.0	72	4	2	4.0	8.0	65	2	4	3.5	8.0	52	2	3	4.0	7.5	30	3	2	3.0	5.5
21	167	0	4	9.0	16.0	142	4	4	6.5	12.0	121	4	9	6.0	12.0	96	6	5	5.0	11.0	72	4	3	4.0	8.0	63	4	3	4.0	8.0	51	2	5	3.5	7.5	28	4	0	2.5	5.0
22	165	4	4	9.0	16.0	142	4	4	7.0	13.0	120	6	9	6.0	12.0	94	9	3	6.0	11.0	72	4	4	4.0	8.5	63	4	4	3.5	8.5	49	2	2	4.0	8.0	28	2	2	2.0	4.5
23	165	4	4	9.0	16.0	141	6	5	7.5	13.5	119	5	9	6.5	12.0	96	6	5	6.0	12.0	72	4	5	4.0	9.0	62	3	3	4.0	9.0	47	4	3	4.0	8.0	28	0	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month June 19 59

Hour (LST)	Frequency (Mc)																																						
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	106	6	2			79	3	2			65					41					21					32	4	16			23	5				20	2			
01	106	4	2			79	3	2			65					43					21					26	16	10			22	5				20	2			
02	106	4	3			79	4	2			66					44					22					26	12	11			23	6				20	2			
03	104	4	2			*78					65					43					21					26	9	11			23	6				20	2			
04	104	2	2			*78					65					43					21					23	9	7			23	4				20	2			
05	104	2	2			*78					65					44					21					24	6	8			21	4				20	2			
06	104	2	2			*79					65					42					23					19	13	5			21	4				20	2			
07	104	2	2			77	2	0			65					44					21					22	10	8			21	2				20	0			
08	104	2	2			79	0	4			65					44					21					22	12	8			21	2				20	2			
09	104	2	4			77	2	0			65					44					21					24	10	8			21	2				20	2			
10	104	2	4			77	2	2			65					44					21					23	11	7			21	2				20	0			
11	103	1	3			77	4	2			65					43					21					28	4	8			23	2				20	2			
12	102	4	2			77	4	2			65					42					23					28	4	6			23	2				20	2			
13	102	3	2			77	4	2			65					44					21					30	4	6			23	2				20	2			
14	103	3	3			77	2	0			65										21					*30					*23					*20				
15	*104					*78										44										*30					*23	2				20	2			
16	104	2	2			*79					63										21					30	5	4			23	3				20	0			
17	104	1	2			77	4	2			65										23					32	5	13			23	3				20	2			
18	104	4	2			77	2	0			63					43					21					30	9	6			23	6				20	2			
19	104	4	2			79	3	2			65					42					23					31	7	14			23	4				20	0			
20	108	0	6			79	2	2			65					42					21					28	9	12			23	4				20	2			
21	106	3	2			79	3	2			65					44					21					34	4	12			23	5				20	2			
22	106	4	2			79	4	1			65					44					21					32	5	15			25	3				20	2			
23	106	5	2			79	4	0			65					44					21					34	4	18			25	4				20	2			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0 W Month July 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*104					79	9	5			68	3	4			53	5	3			26	5	4			27	13	8			22	6	14			19	2	6		
01	104	8	4			*77					66	5	2			53	2	4			24	9	2			23	17	4			19	9	11			19	2	6		
02	104	8	4			78	4	4			68	3	4			53	4	4			25	6	3			23	13	4			19	9	11			19	2	4		
03	*104					*76					*68					*53					24	6	2			22	13	3			18	8	10			19	2	4		
04	*104					*78					*66					*55					*26					21	14	2			18	6	10			18	3	4		
05	104	2	6			*79					66	4	14			53	4	4			26	4	4			21	12	2			15	9	9			17	2	4		
06	102	4	4			75	7	3			66	2	2			51	4	2			24	3	2			21	10	2			12	10	4			17	4	4		
07	*102					76	4	4			66	2	2			53	2	4			24	6	2			21	10	2			13	11	5			17	3	3		
08	*103					76	6	2			68	2	2			53	2	2			24	6	2			21	6	4			11	11	4			19	2	6		
09	*102					76	4	4			66	4	4			53	4	4			22	5	0			21	10	2			15	7	7			19	2	4		
10	102	4	2			76	6	4			68	2	2			53	4	4			23	6	1			23	9	5			18	4	10			19	2	6		
11	100	5	1			78	4	4			68	2	2			51	6	2			24	2	2			13	10	2			20	4	12			19	2	4		
12	101	5	2			78	4	6			68	2	2			53	2	4			23	5	2			27	5	9			20	7	14			19	2	4		
13	102	4	2			*78					66	4	4			51	2	2			24	3	2			27	6	8			22	4	14			19	2	6		
14	*102					*74					*68					*51					*24					*28					22	4	16			19	2	6		
15	*104																				*27					31	5	11			22	4	11			19	2	6		
16	104	2	4			*80					68	2	2			*53					24	6	2			28	10	9			19	7	9			18	3	4		
17	102	4	2			78	12	4			68	3	3			53	4	4			22	8	2			33	6	14			18	8	10			19	2	4		
18	104	4	4			78	3	4			68	2	2			55	2	4			22	6	2			27	14	10			22	6	14			19	2	6		
19	104	6	4			78	4	5			66	5	5			53	2	4			24	4	3			27	8	10			20	8	14			19	2	6		
20	104	7	6			76	7	2			68	3	3			55	4	5			22	9	0			22	14	3			16	10	10			17	4	3		
21	104	5	6			76	6	2			68	2	2			53	4	4			24	4	2			27	14	11			22	8	14			17	4	2		
22	103	9	3			78	8	6			67	3	3			*53					23	5	1			21	22	2			14	17	7			19	2	5		
23	104	8	4			78	12	6			68	2	2			55	2	6			24	7	2			23	20	4			19	10	11			19	2	6		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month August 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	107	2	7			81	2	6			62	3	4			54	8	4		
01	107	2	5			79	4	5			62	2	4			54	10	4		
02	107	2	4			79	4	6			62	3	4			52	8	4		
03	105	4	4			*79					*62					*50				
04	103	2	2			*75					*64					*52				
05	103	2	3			77	4	4			62	4	4			52	10	4		
06	103	2	2			77	6	6			61	3	2			52	5	3		
07	103	2	4			77	4	3			62	2	4			52	8	2		
08	103	3	4			78	3	7			62	5	3			52	8	3		
09	103	2	4			77	4	6			62	2	4			54	5	6		
10	101	5	2			77	4	6			62	4	4			52	9	4		
11	101	2	3			77	4	6			62	2	4			54	6	3		
12	101	3	4			77	6	6			62	4	3			52	10	2		
13	101	3	4			75	8	4			62	2	2			54	6	6		
14	101	2	4			*77					62	4	2			*54				
15	102	3	4			*79					*61					*52				
16	102	2	3			79	2	8			60	5	2			52	8	2		
17	101	6	2			77	3	4			62	2	4			54	3	4		
18	103	4	4			77	4	4			62	4	4			54	2	4		
19	103	4	4			77	3	6			60	4	2			52	4	4		
20	103	6	2			77	4	4			60	4	2			52	6	3		
21	105	4	4			77	5	4			62	2	4			52	9	2		
22	109	4	4			77	6	3			60	4	2			52	9	4		
23	106	4	5			79	5	6			60	5	2			54	4	4		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	27	4	4			33	9	9			26	5	7			21	0	2		
01	27	4	7			33	9	9			25	6	4			21	1	2		
02	27	4	6			30	8	8			26	4	14			21	0	2		
03	27	2	6			26	12	4			23	6	8			21	1	2		
04	26	5	5			26	10	4			21	6	6			21	0	2		
05	25	4	4			26	9	4			20	7	5			19	2	0		
06	25	0	6			25	5	5			19	8	6			19	2	0		
07	23	5	0			24	8	6			19	6	4			19	2	1		
08	23	6	2			24	6	4			19	4	8			19	2	0		
09	23	5	2			22	6	4			19	2	6			20	1	1		
10	23	2	2			24	4	4			19	2	6			19	2	1		
11	25	4	4			26	6	6			21	7	6			21	0	2		
12	25	2	6			28	8	6			21	6	4			21	0	2		
13	27	2	6			30	6	8			21	5	2			21	0	2		
14	*25					32	9	8			23	2	4			21	0	2		
15	*25					32	8	8			23	4	5			21	0	2		
16	25	4	2			33	7	9			23	6	6			21	0	2		
17	25	4	3			32	10	8			25	6	4			21	0	2		
18	25	6	4			34	6	12			25	6	6			21	0	2		
19	25	2	2			31	15	13			25	8	12			21	1	2		
20	27	2	4			36	6	18			29	4	12			21	0	2		
21	27	4	4			33	11	13			29	6	12			21	0	2		
22	25	4	2			34	8	12			25	8	12			21	0	3		
23	26	2	7			34	6	14			25	8	10			21	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month June 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	2	7.0	12.0	124	4	2	8.5	15.0	99	6	5	8.0	14.0	79	6	5	7.5	13.5	56	6	4	5.5	9.0	49	4	2	6.5	10.0	42	0	5	5.0	7.0	26	0	2	*2.5	*4.0
01	154	3	2	6.5	11.0	126	2	4	8.5	15.0	98	7	4	7.5	14.0	79	7	6	7.5	14.0	54	7	3	6.0	9.5	49	3	4	6.0	9.5	40	2	4	4.5	7.0	26	0	2	*2.5	*4.0
02	154	2	2	7.0	11.5	126	2	5	9.5	15.0	99	6	4	7.5	14.5	79	5	5	8.0	14.5	54	6	4	6.5	10.0	49	4	3	7.5	11.5	40	2	4	4.0	6.5	26	0	2	*4.0	*5.0
03	154	3	2	7.0	11.5	126	2	2	9.0	14.5	100	3	4	8.0	15.5	77	7	4	8.0	15.0	54	6	5	6.0	10.0	49	4	5	7.5	11.5	38	3	3	4.0	6.0	26	0	2	*2.5	*4.5
04	154	2	2	7.5	11.5	126	3	2	9.0	15.0	99	4	4	8.0	15.0	77	7	6	*7.0	*13.0	54	4	5	7.5	11.0	49	4	4	6.0	10.0	38	3	4	5.0	7.0	26	0	2	*2.5	*4.0
05	154	2	2	7.5	12.5	126	2	4	8.5	14.0	98	4	5	8.0	13.5	77	5	7	7.0	13.0	52	5	6	6.5	10.5	47	5	2	7.0	10.0	38	4	4	4.0	7.0	26	0	2	*2.5	*3.5
06	154	2	2	7.5	13.0	124	2	4	8.0	13.0	96	5	5	8.0	14.0	65	7	9	*9.0	*10.0	48	7	4	7.5	10.5	46	3	3	6.0	9.0	36	4	2	4.5	6.5	26	2	2	*2.5	*4.0
07	154	1	2	7.0	12.0	116	2	2	8.0	12.5	72	13	9	*11.5	*16.5	49	4	6	3.0	5.5	40	9	4	7.0	9.5	43	4	4	5.0	7.0	36	5	3	4.0	6.0	26	2	2	3.0	4.5
08	150	2	2	8.0	13.0	110	4	4	11.0	17.0	65	8	4	*9.0	*12.5	49	3	6	*3.0	*5.0	26	5	4	5.0	7.0	27	7	4	5.0	6.0	28	7	2	6.0	8.0	26	2	3	3.5	5.5
09	150	2	4	10.0	15.0	106	5	7	14.0	19.5	63	10	2	*7.0	*10.0	49	2	6	3.0	5.0	26	8	5	*4.5	*6.0	25	4	10	*3.5	*5.0	24	6	4	4.5	6.0	24	8	2	4.0	7.0
10	150	3	4	11.0	16.5	106	6	7	14.0	22.0	65	10	4	*2.5	*4.5	47	4	4	3.0	5.0	24	4	3	4.0	5.5	25	4	8	*3.5	*5.5	22	6	4	*3.0	*5.0	22	6	0	*4.0	*5.5
11	148	6	2	11.5	17.5	108	8	4	14.0	22.5	65	10	4	*4.5	*6.5	47	6	4	*3.0	*5.5	24	8	4	*3.0	*5.0	26	3	13	*5.0	*6.5	20	6	4	4.0	6.0	24	10	4	*4.0	*6.0
12	148	4	2	12.5	18.0	110	4	6	14.0	24.0	65	14	4	7.0	10.0	47	4	4	3.0	5.0	22	6	2	*7.5	*9.0	27	2	14	*3.0	*4.5	20	6	4	3.5	5.0	24	6	2	*2.5	*4.0
13	150	2	4	12.5	19.0	110	6	6	13.5	21.0	67	4	6	*4.0	*5.5	47	4	4	2.5	5.0	22	6	4	*3.0	*4.0	27	2	14	4.0	5.0	21	5	4	*6.5	*8.0	26	2	4	*2.5	*4.5
14	150	2	2	11.0	18.0	110	4	4	11.5	20.0	67	12	6	7.0	10.0	47	2	4	2.5	5.0	22	12	4	*4.5	*6.5	27	4	12	*3.0	*4.5	22	10	4	*4.5	*7.5	26	2	4	*6.0	*8.5
15	150	4	2	10.0	12.0	110	5	2	*10.0	*17.5	68	11	7	*9.0	*12.0	47	6	4	*3.0	*6.0	25	4	4	7.0	9.5	25	7	7	*3.0	*4.0	28	6	4	*7.0	*10.0	27	12	5	3.5	6.0
16	152	2	4	*9.0	*15.0	112	5	7	11.5	18.5	72	17	9	*10.5	*17.5	52	8	4	4.0	7.0	26	11	2	*6.0	*7.5	29	7	8	*7.0	*11.0	38	3	4	*7.0	*9.0	30	7	6	3.0	5.0
17	152	2	4	8.0	13.5	110	10	6	*10.0	*17.0	83	14	12	*11.0	*22.0	65	9	6	*5.5	*11.0	36	10	10	9.5	13.0	35	12	4	6.5	10.0	38	6	2	6.5	9.5	30	4	4	3.5	5.5
18	152	2	3	8.0	13.5	112	10	4	11.0	20.0	88	12	8	*13.0	*21.0	69	13	5	*8.5	*15.0	42	14	4	11.5	13.0	41	11	6	7.0	12.0	40	5	2	6.0	10.0	30	14	2	3.0	5.5
19	154	2	4	8.0	13.0	120	6	6	11.5	19.5	93	7	6	9.5	20.5	73	6	7	*6.0	*13.0	48	10	6	9.0	13.0	49	5	5	7.0	11.5	42	5	4	5.0	8.0	28	7	4	3.0	5.0
20	154	2	2	7.5	13.0	122	4	4	9.0	15.5	95	8	4	9.5	16.0	77	5	7	*5.5	*10.0	52	5	6	6.5	11.0	53	7	4	8.5	12.0	42	2	4	3.5	6.0	26	2	2	*2.5	*4.0
21	154	2	2	7.0	12.5	122	4	2	9.0	15.5	96	9	5	9.0	16.0	77	10	3	*7.0	*14.0	52	8	3	6.0	10.0	55	8	5	9.0	12.5	42	2	4	4.0	6.0	26	0	2	*4.5	*6.0
22	154	4	3	7.0	12.0	124	4	4	9.0	16.0	97	9	6	9.5	17.5	77	8	4	8.0	15.5	54	5	4	6.5	10.0	57	8	4	6.5	11.0	42	2	4	4.0	6.0	26	0	2	*2.5	*3.5
23	154	3	2	7.5	12.0	124	4	2	9.0	15.0	97	9	5	8.5	17.5	79	8	6	8.5	16.5	54	6	3	6.5	11.0	51	11	4	6.0	9.0	42	2	4	4.0	7.0	26	1	2	*2.5	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month July 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	1	7.0	11.5	123	3	2	9.0	15.5	97	3	2	7.5	14.5	78	2	4	6.5	13.0	55	2	5	6.0	10.5	48	5	2	5.0	8.0	39	3	2	4.0	6.0	25	0	1	*2.5	*3.5
01	153	2	0	7.0	11.5	123	3	2	8.5	15.0	99	2	4	7.5	14.5	78	2	4	7.0	13.0	54	3	4	5.5	9.0	46	6	2	5.0	8.0	39	2	4	3.5	5.0	25	0	0		
02	153	2	0	7.0	11.0	123	4	2	8.0	14.0	99	3	3	7.5	14.0	78	2	4	7.5	13.5	53	4	4	5.5	9.0	47	5	3	5.5	8.0	37	4	3	3.5	5.0	25	0	0		
03	153	2	0	7.0	12.0	125	2	3	8.0	13.5	99	4	3	7.0	14.0	76	4	4	7.5	13.5	53	3	5	6.5	10.5	47	6	3	6.0	8.5	37	6	5	3.5	5.5	25	0	0		
04	155	0	2	7.5	12.0	125	3	2	8.0	14.0	99	4	2	6.5	14.0	78	5	6	7.0	12.5	52	4	4	6.5	10.0	46	5	3	4.5	8.0	37	3	6	3.5	6.0	25	0	2		
05	153	2	0	8.5	13.0	125	4	2	8.5	15.0	99	3	4	8.0	15.0	76	4	10	*6.0	*11.5	51	3	7	5.0	8.5	46	7	4	5.5	8.0	35	4	4	3.0	5.0	23	2	0		
06	153	2	2	7.5	12.5	123	4	2	9.0	15.5	96	3	4	*9.0	*16.5	62	9	6	*7.0	*11.0	47	6	6	5.5	8.5	44	5	2	5.5	8.0	35	5	2	3.0	5.0	23	1	0	*2.5	*4.0
07	153	2	2	8.0	12.0	125	6	4	9.5	15.5	69	9	4	*6.5	*10.5	50	5	4	3.0	5.0	39	7	8	6.5	9.0	41	5	9	5.0	7.0	34	9	4	5.0	6.5	23	2	0	*2.5	*4.0
08	151	2	2	9.0	14.0	109	4	4	10.0	16.5	63	5	0	*4.0	*6.5	50	2	6	*2.5	*5.0	25	8	2	*4.0	*5.0	29	2	6	3.5	4.5	27	4	4	3.0	5.0	23	2	2	3.0	4.5
09	149	2	2	10.0	15.0	105	8	6	12.0	17.0	63	11	0	*5.5	*8.0	49	3	5	*3.0	*4.5	25	3	4	3.5	5.0	28	4	7	3.0	5.0	23	4	4	3.0	5.5	21	2	1	*3.5	*4.5
10	149	2	2	11.0	16.5	107	6	8	12.5	20.0	63	11	0	*4.5	*7.0	48	4	4	*3.0	*5.0	25	8	4	*4.5	*5.5	26	8	6	3.0	4.5	23	2	6	4.0	6.0	21	2	2	*3.0	*5.0
11	149	2	2	11.0	17.0	107	6	4	*13.0	*21.0	63	10	0	*4.0	*5.5	48	7	4	*2.5	*4.5	25	4	4	4.0	5.0	26	8	8	3.0	5.0	22	5	7	3.5	5.0	21	4	2	*3.0	*4.5
12	149	2	2	11.5	17.5	107	8	4	13.5	22.5	63	10	0	*6.5	*10.0	48	4	4	*3.0	*5.0	23	2	4	3.5	5.0	30	2	13	*3.5	*5.0	23	4	4	3.0	4.5	19	4	0	*3.0	*5.0
13	149	2	2	12.5	19.0	109	6	4	12.0	20.0	63	13	0	*4.5	*6.5	48	2	4	*3.0	*5.0	21	6	2	*3.0	*4.0	28	4	12	2.5	4.0	23	2	6	3.0	4.5	21	4	2	*3.0	*4.5
14	151	0	4	*10.5	*16.5	109	11	4	11.5	18.5	63	11	0	*4.5	*7.0	48	3	0	*3.0	*5.0	23	4	4	3.0	4.5	28	4	13	*3.5	*6.0	23	6	5	4.0	5.5	21	3	0	*3.0	*4.0
15	*151			*11.0	*17.0	*109			*12.0	*19.0	*63					48	2	0	*2.5	*5.0	*23			*3.0	*4.5	*18			*4.0	*5.5	*25			*6.5	*9.0	*23			*3.0	*4.0
16	151	2	2	*8.0	*13.0	109	6	7	*9.5	*15.5	63	18	0	*6.0	*9.5	52	6	6	3.0	4.5	24	11	3	*8.0	*11.0	23	8	5	*4.0	*5.5	33	4	3	*5.0	*8.0	25	4	2	*3.5	*7.5
17	149	4	0	8.0	13.5	109	6	6	8.5	15.0	79	10	10	*10.0	*17.0	66	6	6	*6.5	*12.5	33	6	8	9.0	11.0	36	6	4	7.5	11.0	37	4	2	6.0	9.0	25	4	0	3.0	5.0
18	151	2	4	9.0	14.0	111	8	4	12.0	18.5	87	8	10	*12.5	*22.0	71	5	7	*7.5	*12.0	39	7	5	9.0	13.0	40	4	4	6.5	9.0	39	2	2	4.0	7.0	27	1	2	*2.5	*4.0
19	153	0	4	7.5	12.5	117	6	6	11.0	18.0	91	6	6	11.0	18.0	74	6	6	*6.0	*12.0	44	6	6	8.0	12.5	46	6	2	*6.0	*10.0	41	1	2	4.5	7.0	25	3	0	*2.5	*4.0
20	153	2	0	8.5	13.5	121	4	4	9.5	16.0	95	2	7	8.0	14.5	74	6	4	4.5	10.0	49	5	4	6.0	10.0	53	3	6	*6.0	*10.0	41	2	2	4.0	6.5	25	1	0	*2.5	*3.5
21	155	1	2	7.5	12.5	123	4	4	*9.0	16.0	96	3	6	8.5	15.0	78	5	6	*6.0	*11.0	51	4	4	6.0	10.0	54	4	5	8.0	11.0	41	4	2	4.0	6.5	25	0	2	*2.5	*3.5
22	153	2	1	7.5	11.5	123	4	4	8.5	15.0	97	2	4	8.0	15.5	76	4	4	7.0	12.0	53	4	4	6.0	11.0	56	8	6	5.5	9.0	41	4	3	4.0	6.5	25	0	2	*2.5	*3.0
23	153	2	2	7.5	12.5	123	3	3	9.0	16.0	97	2	4	8.0	14.5	76	4	2	6.5	12.0	53	4	2	5.0	8.5	50	8	4	6.0	9.0	41	2	4	4.0	6.0	25	0	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month August 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	5	1	8.5	12.5	125	4	3	9.0	15.0	100	4	4	8.5	15.0	79	6	7	8.5	15.0	54	8	6	6.0	8.5	50	10	5	6.5	9.0	42	4	4	4.0	6.0	25	1	0	*2.5	*5.0
01	152	5	1	8.0	12.0	125	4	3	8.5	14.5	100	4	5	8.0	14.0	79	6	6	6.5	12.5	54	9	6	5.5	8.5	50	9	6	6.0	9.0	40	4	2	4.0	6.0	25	0	0		
02	154	2	2	8.0	12.5	127	2	3	7.5	12.0	102	2	6	8.0	13.5	79	4	4	6.5	12.5	54	9	7	5.5	9.0	50	7	4	6.5	9.0	40	4	4	4.0	6.0	25	0	2	*2.5	*3.0
03	154	2	2	8.0	13.0	127	3	2	7.5	12.5	102	3	6	6.5	12.0	77	7	6	6.0	11.5	54	7	8	6.0	8.5	52	5	6	5.0	8.5	40	4	6	4.5	7.0	25	0	2	*2.5	*3.5
04	154	2	2	7.0	12.0	127	4	3	8.5	14.0	100	6	4	7.5	13.5	77	5	8	*6.0	*11.5	50	11	3	5.0	8.0	51	7	5	6.0	8.5	38	4	3	4.0	6.0	23	2	0	*2.5	*3.5
05	154	2	2	7.0	12.0	127	4	2	8.0	13.0	100	4	4	7.0	11.5	75	10	13	10.5	14.0	50	10	8	6.0	8.5	50	6	5	5.0	8.0	38	3	6	4.0	5.5	23	0	0	*2.5	*4.0
06	154	2	2	7.0	11.5	125	4	4	8.0	13.5	96	8	15	8.0	14.0	57	24	8	*18.0	*26.5	47	15	6	5.0	7.5	48	9	4	5.0	8.0	36	4	4	4.0	6.0	23	2	0	*2.5	*4.0
07	154	2	4	7.5	12.5	117	6	4	9.0	14.0	68	18	6	*14.5	*19.0	49	6	2	*13.5	*16.5	34	20	6	*6.0	*7.5	38	12	7	4.0	6.5	34	7	2	4.0	6.0	23	3	1	3.0	4.0
08	150	4	1	8.5	13.0	111	12	4	11.0	17.5	62	28	0	*11.0	*15.5	47	12	3	*3.0	*5.0	26	15	2	*4.5	*5.5	30	8	4	2.5	4.0	28	9	4	3.5	5.0	23	5	2	3.0	4.5
09	152	1	4	9.5	15.0	109	9	4	12.0	19.0	62	24	0	*14.5	*22.0	47	8	4	*4.0	*5.5	26	7	4	3.5	5.0	30	4	4	3.0	4.0	24	11	5	3.5	4.0	23	5	4	3.0	4.5
10	150	3	2	11.0	16.5	111	8	8	14.0	22.0	66	19	4	*12.5	*21.5	47	8	4	*4.0	*6.0	24	9	4	*4.0	*5.0	30	5	7	3.0	5.0	24	8	4	*3.5	*5.0	23	2	4	*3.5	*4.0
11	150	2	4	12.0	18.0	111	8	6	14.5	23.0	66	16	4	*14.0	*18.5	47	4	4	*2.5	*4.5	24	4	4	*4.5	*5.0	28	4	5	*3.0	*4.0	24	6	4	*3.5	*4.0	23	6	4	*4.5	*5.0
12	148	6	2	12.0	18.5	111	10	2	*14.5	*22.0	64	29	2	*8.5	*13.0	47	14	4	*11.0	*16.0	24	2	4	*3.5	*5.0	30	0	7	*3.0	*4.0	22	11	0	*4.0	*6.0	21	6	2	*4.0	*5.0
13	149	5	3	13.0	19.5	113	8	6	13.5	21.0	67	27	5	*11.5	*16.0	47	14	4	*2.5	*4.5	24	4	4	4.0	5.0	28	2	3	*3.0	*4.0	26	7	5	5.0	6.5	23	6	2	*3.0	*4.0
14	150	4	2	10.0	17.0	113	8	6	11.5	18.5	70	28	8	*11.5	*20.0	47	15	4	*10.5	*15.0	24	8	4	*3.5	*5.0	30	4	8	*2.5	*3.5	26	10	8	*6.0	*8.0	25	4	4	*3.5	*5.0
15	152	2	4	11.0	17.0	113	10	4	*10.0	*17.0	68	27	6	*16.0	*23.0	47	6	4	*3.0	*4.5	24	4	4	3.5	4.5	30	5	12	*4.0	*6.0	28	8	8	6.0	7.5	24	3	1	*3.5	*4.5
16	150	4	2	*9.5	*14.5	113	9	5	*9.5	*16.0	66	30	4	*12.0	*21.5	47	6	0	*3.0	*4.5	26	6	6	*6.0	*9.0	28	6	10	6.5	8.0	34	8	4	8.0	12.5	25	4	0	3.0	4.5
17	150	2	2	9.5	14.0	113	8	6	10.0	16.0	80	19	12	*10.5	*17.5	59	10	4	*14.5	*24.0	30	12	4	6.5	7.5	38	8	5	7.0	11.0	40	6	4	7.5	11.0	27	3	2	3.5	5.0
18	150	3	2	9.0	14.5	113	2	3	11.0	18.0	90	12	8	10.5	21.0	71	11	6	*9.5	*18.5	44	10	8	9.5	14.0	46	9	5	*6.0	*9.5	42	5	6	6.0	8.5	27	2	2	3.0	4.5
19	152	4	4	9.0	14.0	119	8	6	12.5	19.5	96	8	10	11.0	21.0	73	8	4	*5.0	*9.5	48	9	6	8.0	12.0	54	8	6	7.0	10.0	42	3	2	4.5	7.0	27	4	2	3.0	4.0
20	152	5	2	8.0	13.0	123	5	2	9.0	15.5	96	8	5	9.0	16.0	79	4	8	*7.0	*13.5	52	8	6	6.5	10.0	56	6	6	7.5	11.0	42	4	2	4.5	7.5	25	2	0	2.5	4.0
21	152	5	2	8.0	13.0	123	6	2	8.0	13.5	98	6	4	7.5	15.0	81	2	7	4.5	11.0	52	10	7	7.0	10.0	58	4	6	7.5	11.5	42	4	2	3.5	6.0	25	3	0	*2.5	*4.0
22	154	3	4	8.0	13.0	125	4	4	9.0	16.0	98	5	4	8.0	15.0	79	5	10	*7.0	*14.0	52	10	5	6.5	10.0	58	6	6	6.0	10.0	42	4	2	3.5	6.5	25	2	0	*2.5	*4.0
23	152	4	2	7.5	11.5	125	4	3	9.5	15.0	98	6	3	9.0	15.0	79	5	8	6.5	13.0	52	9	4	6.0	9.0	52	8	6	5.0	9.5	42	4	3	4.0	6.0	25	2	0	*2.5	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month June 19 59

Frequency (Mc)

Hour (LST)	.051										* * .246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	125	6	6	*10.0	*15.0						90	10	6	9.0	15.0	75	9	8	*9.0	*14.0	56	10	2	6.5	10.5	56	6	4	7.0	10.0	48	2	8	*5.0	*8.0	25	2	2	3.0	4.5
01	123	8	6	13.0	18.0						86	12	10	12.0	18.0	69	11	10			60	5	8	*6.0	*10.0	56	4	6	*5.0	*9.5	46	2	6	*5.0	*8.0	25	2	4	3.0	4.5
02	121	8	8	*11.0	*15.0						74	20	7	13.5	21.0	56	10	6	*13.0	*20.5	54	6	8	*6.5	*11.5	52	6	6	*5.5	*8.5	46	6	6	*6.0	*8.5	25	0	2	*3.0	*4.5
03	119	6	6	11.5	16.0						*71			14.0	24.0	49	30	4	*3.0	*4.5	44	9	8	*11.0	*15.0	48	6	8	*6.0	*9.0	44	8	4	5.5	7.5	25	2	2	*2.5	*3.5
04	117	6	6	*11.0	*16.0						*68			12.0	19.0	49	24	4	*3.0	*5.0	34	13	7	*6.0	*9.0	40	11	8	*6.0	*9.0	43	7	7	*4.5	*7.0	25	3	2	*2.0	*3.5
05	117	8	8	*14.0	*19.5						71	26	9	8.0	13.0	51	19	5	*3.0	*4.5	32	10	8	*3.0	*6.0	39	7	10	*2.0	*4.0	40	8	12	*5.0	*7.5	26	1	4	*3.0	*4.5
06	116	11	13	*16.5	*21.5						72	4	6	5.0	12.5	51	19	4	*15.0	*24.0	28	13	4	*2.5	*45	35	10	7	*6.0	*8.5	39	7	9	*6.0	*7.5	25	2	4	*3.5	*4.5
07	117	11	10	*14.5	*20.0											52	19	3	*6.5	*10.0	30	14	4	*7.0	9.0	32	12	6	*12.0	*18.0	36	6	4	*5.0	*7.0	27	2	6	*4.0	*5.5
08	119	4	9	*14.5	*20.5											53	12	4	*6.5	*10.5	26	18	5	*4.0	*5.5	32	9	9	*7.5	*9.5	34	7	4	*6.0	*8.0	27	7	7	*4.0	*5.0
09	123	4	9	*12.0	*17.0											53	15	2	*12.0	*15.0	*26			*5.5	*7.0	*26			*5.0	*7.0	36	4	8	*6.0	*9.0	26	10	5	*4.5	*6.0
10	125	6	2	*11.0	17.0											57	16	6			26	8	6	*6.0	*7.5	*28					36	5	6	*6.0	*8.5	27	12	5	*3.0	*4.0
11	126	7	9	12.0	17.0											63	18	10	*10.0	*14.5	27	12	3	*5.5	*7.0	30	14	8	*5.5	*8.0	41	3	7	*5.0	*7.5	27	7	2	*4.5	*6.0
12	129	6	5	11.5	17.0											59	31	9	*7.0	*11.0	*30			*5.0	*8.5	*31			*5.0	*7.0	42	5	10	*5.0	*7.0	27	5	3	*3.5	*5.0
13	130	7	5	10.5	16.5											68	20	17	*10.0	*18.0	34	30	8	*7.0	*8.0	34	10	8	*5.0	*7.5	42	4	6	*6.0	*9.0	27	7	3	*3.5	*5.0
14	130	7	5	10.0	15.5											71	28	19	*14.0	*23.5	31	23	6	*5.0	*7.0	36	12	12	*5.0	*9.0	35	5	7	*5.0	*8.0	29	8	6	*6.0	*8.0
15	129	9	4	9.0	15.0											71	17	22	*6.0	*11.5	34	21	6	*4.0	*6.5	40	10	10	*5.0	*8.0	46	4	10	*5.0	*8.0	28	10	3	*3.5	*6.0
16	127	10	4	9.5	15.5											64	21	13	*7.0	*11.0	40	8	10	*3.0	*4.5	42	9	12	*5.0	*8.5	46	4	6	5.5	8.5	29	6	5	*4.0	*6.0
17	127	10	6	10.0	15.5											54	27	5	3.5	5.0	42	6	10	*3.5	*5.5	46	4	14	*6.5	*11.0	47	6	4	*5.0	*7.0	29	6	7	*4.0	*5.0
18	126	9	7	10.5	16.5											53	22	4	*5.5	*10.0	42	8	6	*3.0	*4.0	44	8	8	*6.0	*10.0	48	4	4	6.0	9.0	29	4	6	*4.0	*5.0
19	124	7	5	11.0	17.0											55	20	4	*10.5	*15.5	48	7	4	*4.5	*7.0	47	9	3	*5.0	*8.0	50	3	5	*4.0	*7.0	28	5	5	*4.0	*5.0
20	123	8	6	11.0	17.0											*69					50	8	4	*2.0	*3.5	52	6	4	*5.5	*8.5	50	4	4	5.0	8.0	27	8	4	*3.5	*4.0
21	123	9	6	*10.0	*15.0											76	9	10	*4.5	*7.0	56	6	4	*5.0	*6.5	56	4	4	*7.0	*10.0	50	6	4	*6.0	*8.5	28	7	4	*3.0	*4.0
22	125	6	8	11.5	17.5											86	5	11	*5.5	*13.5	60	4	4	6.0	9.5	56	4	4	*6.5	*8.5	50	5	4	*6.0	*8.0	27	4	4	*3.0	*4.0
23	125	4	6	*10.5	*14.0											79	9	5	*5.0	*9.0	59	5	5	*6.0	*9.0	56	6	2	5.0	9.5	50	6	6	*4.5	*7.0	25	3	2	*3.0	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* *Interference Kalungborg Broadcast Station from 0800 through 2300.

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month July 19 59

Hour (LST)	Frequency (Mc)																																							
	.051										** .246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	125	8	2	9.5	14.5						92	8	4	9.5	15.0	80	9	11	6.0	10.0	61	6	8	*7.0	*11.0	56	9	7	*5.0	*8.0	45	5	4	*5.0	*8.5	24	2	5	2.0	4.0
01	125	7	4	11.0	15.0						90	11	8	10.0	15.5	73	13	9	9.0	14.5	59	6	6	7.5	12.0	56	6	6	6.0	10.0	45	7	7	*4.5	*8.0	24	1	3	*2.0	*4.0
02	123	8	4	11.5	16.0						80	21	8	9.5	16.0	62	22	10	7.0	6.5	57	9	11	*7.0	*10.5	54	8	8	*5.0	*10.0	42	8	6	*6.0	*9.0	24	2	2	2.0	4.0
03	121	10	6	12.0	18.0						74	22	10	10.0	13.0	53	24	7	7.0	10.0	46	11	11	6.0	10.5	49	7	5	*6.0	*9.0	40	9	8	5.0	8.0	24	3	3	*2.0	*4.0
04	119	9	6	*13.5	*18.0						76	24	16	12.0	17.0	52	28	5	3.0	4.5	32	12	8	*3.5	*6.0	41	12	10	*7.0	*11.0	39	10	9	*5.5	*9.0	25	4	4	*2.5	*4.0
05	119	12	6	13.5	18.0						75	24	13	5.0	8.0	54	24	6	5.5	7.5	26	20	7	*8.0	*14.5	33	18	10	*8.0	*11.0	38	10	10	*5.0	*7.0	25	1	4	2.5	4.5
06	121	10	6	14.5	19.0						89	15	23	11.0	17.0	56	26	7	4.5	8.0	27	10	6	*4.0	*6.0	29	19	9	*10.0	*14.5	34	12	6	*5.0	*8.0	24	5	4	*2.0	*4.0
07	*121			*14.0	*18.0						*84			7.5	10.5	55	25	5	8.0	14.0	25	19	4	*3.0	*5.0	*22			*8.0	*10.0	31	9	6			24	4	3	*3.0	*4.5
08	121	8	4	*12.0	*16.0											58	22	8	3.0	6.0	26	9	5	*3.0	*4.5	23	20	7			31	6	10	*1.5	*4.0	24	4	2	*2.0	*4.0
09	121	8	6	*12.0	*17.0											*54					*24			*6.0	*8.5	*22					29	6	8	*3.0	*7.5	24	2	3	*3.5	*6.0
10	123	6	4	11.0	16.0											59	10	9			25	8	4	*3.5	*5.5	*21			*2.5	*4.5	29	12	8	*5.5	*9.0	24	7	3		
11	127	5	5	*10.0	*15.0											62	6	10	4.0	6.0	24	11	5			23	10	6			33	8	12	*5.0	*8.5	24	4	5	*2.0	*4.0
12	128	5	3	9.0	13.0											64	12	9	9.5	15.0	*29					*26			*7.0	*10.0	34	5	12	*5.0	*8.0	25	5	5	*3.0	*5.5
13	133	2	8	8.0	12.5											68	15	13	6.0	12.0	30	12	8	*7.0	*9.0	26	6	10	*5.0	*7.0	37	3	7	*5.0	*7.5	26	6	6	*2.5	*4.5
14	131	4	5	7.0	11.0											68	14	16	10.0	14.5	27	15	4	*5.0	*7.0	28	12	12	*4.5	*6.5	40	6	10	5.0	8.5	23	8	4	*2.0	*4.0
15	131	4	4	8.5	12.5											69	15	15	7.0	11.5	33	10	10	*4.5	*7.0	32	10	12	*4.5	*8.0	41	4	8	5.5	9.5	24	4	4	*2.5	*5.0
16	131	4	4	10.0	14.0											66	14	11	8.0	9.5	39	12	14			32	11	11	*5.0	*9.0	43	4	6	5.5	9.0	25	4	4	*3.0	*4.0
17	129	4	2	*9.0	*14.0											68	8	16	6.5	10.0	37	6	8	*2.5	*4.5	38	11	17	*4.5	*8.0	44	6	7	*4.5	*7.5	27	4	6	*3.0	*5.0
18	127	6	2	*7.0	*11.0											62	12	10			39	8	7	*3.5	*5.5	39	13	14	*5.0	*9.0	45	7	12	5.0	8.0	28	3	5	*2.0	*4.0
19	127	6	4	*8.0	*13.0											62	14	9	4.0	6.0	47	4	16			46	11	11	*3.5	*7.0	47	8	6	*4.0	*7.0	27	9	5	*2.5	*4.5
20	127	6	6	*9.5	*14.0											69	13	10			50	10	12	*3.0	*6.0	50	9	4	*4.0	*7.5	49	11	7	*4.5	*8.0	26	6	3	*2.5	*4.5
21	129	7	8	9.0	12.5											72	4	11	7.0	13.0	57	10	10	*5.0	*7.5	58	12	14	*5.0	*9.0	49	5	3	*4.5	*7.5	25	6	2	*3.0	*5.0
22	127	8	5	*8.0	*12.5											74	6	8			61	8	11	*5.5	*9.0	58	8	10	*5.0	*8.5	49	4	7	*5.5	*8.5	25	8	3	*2.0	*4.0
23	125	10	2	*10.0	*15.0											71	8	6	5.5	8.0	61	8	12	*6.0	*10.0	58	8	9	*5.0	*8.0	48	6	8	*3.0	*6.0	24	3	3	*2.0	*3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * Interference Kalungborg Broadcast Station from 0800 through 2300.

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month August 19 59

Hour (LST)	Frequency (Mc)																																							
	.051										**.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	127	6	6	*9.0	*14.0						93	5	9	*9.0	*12.5	82	10	6			61	4	10	*7.0	*11.5	55	4	3	5.0	8.0	44	3	5	*5.0	*8.0	25	0	3	*2.0	*4.0
01	125	5	5	*10.5	*15.0						92	6	6	10.5	15.5	78	6	8	9.0	14.0	59	2	10	5.5	9.5	55	2	4	5.0	8.5	43	6	6	5.0	8.0	25	0	3	2.5	4.0
02	124	7	7	*9.0	*14.0						90	7	9	*9.0	*14.0	70	10	8	7.5	11.5	57	4	6	*6.5	*10.0	55	4	8	5.0	9.0	43	4	8	5.0	7.5	24	1	2	2.5	4.0
03	121	7	5	*10.5	*14.5						82	11	9	*6.0	*8.5	66	8	12	7.0	10.0	55	4	8	*6.0	*10.0	51	4	3	5.5	9.0	41	6	4	5.0	8.0	23	2	2	*3.0	*4.0
04	117	6	2	*12.0	*16.0						71	13	8	*10.0	*13.0	54	11	6	4.5	7.0	42	11	3	*3.5	*6.0	47	4	4	6.5	9.5	41	4	8	3.5	6.5	23	2	2	*2.0	*4.5
05	117	8	4	*13.0	*16.0						71	12	4	*10.0	*12.5	56	6	2	1.5	3.0	32	7	8	*4.5	*8.0	39	6	4			39	4	6	*4.5	*7.5	24	1	1	*4.0	*5.0
06	117	6	7	*12.0	*16.0						*93			*5.5	*9.0	56	7	4	3.0	5.5	31	4	8	*5.5	*9.0	33	7	9	8.0	10.0	37	6	6	*4.0	*7.0	25	2	4	4.0	5.5
07	117	6	6	*12.5	*17.0						*92			*10.5	*15.0	56	13	5	7.5	10.0	31	5	5	*2.5	*4.5	29	9	8	9.5	11.5	35	3	7	*5.0	*7.5	23	4	2	*4.0	*5.5
08	*117			*11.0	*15.0											56	12	4	3.5	6.5	30	5	7	*3.5	*5.0	*27			11.5	13.5	31	6	3	*4.0	*6.0	25	2	4	*3.5	*5.5
09	*119			*13.5	*17.5											*56			4.0	7.0	*29			*9.0	*12.0	*25			9.0	12.0	*31			*3.0	*4.5	*25			*7.5	*3.5
10	*121			*10.0	*14.5											*58			3.5	6.0	*25					*25					*31					*24			*3.0	*5.0
11	*127			*11.0	*15.0											*58					*31					*25			5.0	7.5	*33			*5.0	*8.0	*27			*3.0	*5.0
12	*129			*8.0	*12.5											*59					*30			*5.0	*7.0	*26					*36			*4.0	*6.5	27	2	5	*3.0	*4.0
13	130	3	9	*12.0	*16.5											66	19	11	8.0	11.5	*31			*7.0	*9.0	*29			7.5	11.0	37	5	9	*4.0	*7.5	26	2	5	*3.0	*4.5
14	131	3	4	*6.5	*11.0											68	14	14	7.0	11.0	31	12	8	*6.5	*9.0	29	10	10	5.0	8.5	41	4	8	*5.5	*9.0	29	0	8	*2.0	*5.0
15	130	3	7	*8.5	*13.0											67	20	12	12.0	16.0	35	16	8	*7.0	*9.5	33	11	6	5.0	8.5	43	4	7	*5.0	*9.0	26	4	3	*2.5	*4.0
16	130	4	8	*8.5	*13.0											69	13	11	9.0	15.0	39	15	6	*3.0	*5.0	37	10	7	5.0	9.0	45	4	6	*5.0	*8.0	27	4	2	2.5	5.0
17	127	8	5	*9.5	*15.0											63	13	7	5.0	10.0	39	13	6	*1.5	*3.5	40	10	9	5.0	9.0	46	3	7	*5.0	*9.0	29	4	6	3.0	5.0
18	125	6	5	*10.0	*14.0											61	15	6	6.0	9.0	45	9	5	*4.0	*7.5	48	4	13	5.5	8.5	47	4	6	5.0	8.0	29	4	6	2.5	5.0
19	123	6	4	*8.5	*13.0											76	8	10	8.0	12.0	51	6	6	*3.0	*5.0	52	4	4	5.5	9.5	49	2	4	*5.0	*8.0	29	2	6	*2.0	*4.0
20	125	6	4	*8.5	*14.0											80	10	6	8.0	12.0	55	6	6	*4.0	*7.5	55	4	4	3.5	6.5	49	4	6	*4.5	*8.0	28	2	8	*3.0	*5.0
21	127	4	7	9.5	13.5											*86			3.5	8.0	58	5	7	5.5	9.5	57	4	7	4.0	7.0	48	4	4	*4.5	*7.0	27	5	4	2.5	4.5
22	127	4	8	*9.5	*13.5											*86					59	6	8	*6.0	*9.0	57	4	5	4.5	8.0	47	4	6	*4.5	*7.0	25	6	2	2.0	4.0
23	127	4	9	*8.5	*13.0											88	4	12	6.5	12.5	58	11	7	*6.0	*10.0	55	4	6	4.5	7.5	45	4	4	*5.0	*9.0	25	0	3	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* *Interference Kalungborg Broadcast Station from 0800 through 2300.

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month June 1959

Hour (LST)	Frequency (Mc)																																							
	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	118	7	8			86	6	8			70	7	6			65	4	3			51	5	4			24	2	1												
01	116	8	6			86	4	8			68	8	3			65	3	4			50	4	3			24	1	1												
02	116	6	6			84	4	6			67	8	3			64	3	4			50	4	4			24	1	1												
03	115	6	5			82	6	4			67	7	5			62	7	3			49	5	4			24	1	1												
04	104	7	6			76	6	5			64	6	6			62	5	5			47	6	4			24	1	1												
05	104	14	8			66	8	10			45	9	7			51	8	4			46	4	4			24	1	1												
06	102	15	10			65	8	9			36	10	8			42	9	5			44	4	4			23	3	1												
07	104	13	12			66	8	10			31	10	5			37	8	4			40	5	3			23	3	1												
08	103	16	12			68	9	8			30	4	4			34	7	3			40	4	6			24	3	1												
09	103	15	10			66	9	6			28	4	2			31	6	3			38	5	4			24	2	1												
10	104	15	9			65	8	4			28	4	2			29	8	2			35	4	3			23	2	1												
11	105	17	8			68	15	5			30	14	3			30	8	3			34	6	3			23	1	1												
12	109	20	10			72	19	7			36	19	5			35	11	4			35	6	4			24	3	1												
13	116	17	16			73	22	8			37	23	5			35	14	4			36	7	5			24	4	1												
14	118	16	17			78	21	13			42	22	10			39	13	8			38	10	5			25	4	2												
15	111	16	23			80	22	17			41	27	10			32	15	10			41	8	6			26	4	2												
16	116	18	18			77	25	16			40	24	14			41	15	12			42	6	6			25	4	3												
17	118	9	19			75	27	14			41	26	13			46	14	11			45	4	4			26	5	3												
18	118	8	20			76	24	14			47	21	12			53	12	11			49	3	4			28	4	3												
19	114	21	16			73	29	12			59	15	12			59	8	5			51	5	4			29	5	3												
20	112	22	9			76	24	6			66	12	9			65	6	6			53	3	3			27	4	3												
21	115	19	8			83	17	9			70	10	9			66	5	5			53	4	4			26	5	2												
22	118	14	7			85	13	7			70	10	8			67	3	6			52	6	4			25	2	1												
23	117	12	5			86	8	8			69	9	5			66	4	5			52	4	4			25	2	2												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month July 19 59

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	115	7	7			84	11	10			69	7	4			64	5	3			49	5	7			24	3	1												
01	115	7	6			84	11	9			68	7	4			63	5	2			48	4	7			24	1	1												
02	114	7	6			82	12	6			68	7	4			63	5	2			48	3	7			24	1	1												
03	113	7	5			81	9	5			68	6	6			63	4	3			46	4	7			24	1	1												
04	118	6	7			81	8	5			66	6	8			63	3	4			45	4	8			23	1	1												
05	111	8	5			69	9	5			46	5	7			64	7	4			43	6	6			23	2	1												
06	108	9	8			68	6	7			36	6	6			43	8	6			42	5	5			23	1	2												
07	106	12	6			67	9	7			31	8	4			37	7	6			39	3	6			23	1	2												
08	105	15	4			66	11	6			28	9	3			33	6	7			34	5	4			24	1	2												
09	109	10	8			67	10	6			28	8	3			30	7	5			32	6	2			23	2	2												
10	112	8	10			68	9	6			29	8	2			30	8	5			32	5	3			23	2	1												
11	115	12	10			73	20	10			34	22	7			31	14	4			32	6	2			23	3	1												
12	115	17	12			82	25	15			48	26	12			39	19	10			37	7	5			25	3	2												
13	121	15	14			90	21	23			58	20	22			44	18	13			39	9	7			26	5	2												
14	122	16	15			95	20	24			61	21	24			46	19	10			41	7	5			27	6	2												
15	125	15	13			95	20	25			63	21	27			49	18	14			44	8	6			27	7	3												
16	125	13	12			93	20	26			60	20	26			48	15	13			43	7	5			28	5	3												
17	123	11	11			93	26	27			58	20	22			51	12	12			46	6	3			30	2	3												
18	123	8	14			90	14	25			60	14	19			54	8	9			48	5	3			29	3	2												
19	119	10	11			87	13	22			61	11	13			59	7	6			50	4	6			29	4	1												
20	118	10	7			86	13	14			69	7	10			65	4	4			53	5	5			27	4	2												
21	119	9	7			85	15	8			71	6	7			67	3	3			53	5	5			27	3	3												
22	118	7	7			86	11	10			72	5	9			66	4	3			52	4	6			25	4	2												
23	116	7	7			86	10	11			70	6	6			65	4	4			51	5	7			24	3	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month June 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	142	6	8			129	7	7			115	13	7			95	10	11			70	4	6			59	5	7			40	8	8			30	0	6		
01	140	6	8			128	8	10			115	8	11			93	10	10			68	6	11			59	4	9			38	6	7			28	9	2		
02	138	8	5			126	7	6			113	8	10			93	11	10			66	6	10			55	8	6			40	4	9			28	2	2		
03	138	7	4			126	5	11			111	10	9			91	11	10			65	7	11			56	5	8			40	3	8			26	4	0		
04	138	6	8			126	5	12			113	6	13			90	9	10			64	7	12			57	3	10			40	4	5			26	6	0		
05	132	11	6			118	12	11			99	14	7			76	17	18			60	6	16			55	4	7			40	4	7			27	5	3		
06	132	12	14			118	14	22			105	10	24			73	27	19			50	18	16			51	8	9			40	3	7			30	2	4		
07	126	18	12			114	17	18			99	17	20			68	29	15			42	16	13			48	8	15			36	9	10			28	4	2		
08	128	16	15			112	20	18			96	13	19			71	20	14			36	22	6			37	8	14			33	5	14			26	6	2		
09	131	13	17			109	23	15			92	22	20			63	29	12			36	21	9			33	13	13			32	6	12			*26				
10	128	12	10			108	16	16			*92					67	14	12			38	15	12			35	6	18			28	8	11			*27				
11	130	8	11			112	10	19			*97					73	13	18			38	10	6			*29					30	10	10			*26				
12	132	6	10			116	9	11			95	12	6			71	18	10			41	15	5			*31					30	6	5			28	2	2		
13	134	4	8			117	10	11			99	17	7			79	23	15			38	16	4			31	12	2			34	8	4			30	5	2		
14	136	8	8			120	14	7			101	24	6			79	20	8			40	31	8			37	13	6			40	6	5			32	4	2		
15	138	10	4			124	12	8			109	13	9			89	21	11			48	24	14			46	13	10			44	5	6			32	4	1		
16	140	9	4			126	12	6			112	12	13			91	20	17			54	18	14			53	9	5			48	4	2			34	2	2		
17	140	10	4			126	10	6			111	11	11			89	11	10			61	13	13			59	5	10			48	4	2			32	4	0		
18	142	4	6			128	5	6			109	10	3			95	6	6			70	2	10			63	5	8			48	2	4			26	4	0		
19	142	4	4			128	5	4			111	8	3			97	5	8			72	4	6			63	4	4			46	4	4			26	2	2		
20	142	4	4			128	4	5			115	6	6			99	6	10			72	2	6			63	4	11			44	5	4			*26				
21	142	5	7			130	4	6			117	1	10			99	4	12			72	4	8			63	4	6			42	7	4			28	4	2		
22	142	8	6			130	6	9			115	7	6			97	7	9			70	6	6			61	4	7			42	4	5			28	4	4		
23	142	6	4			130	5	6			117	6	10			97	7	10			72	2	8			59	6	4			40	7	5			*28				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month July 19 59

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	140	4	4			128	6	6			113	8	8			97	8	12			71	0	12			60	2	10			39	4	6			30	2	4		
01	140	4	6			128	2	6			111	8	4			97	6	8			68	5	9			58	4	10			39	6	8			30	10	2		
02	140	2	6			128	4	6			113	6	6			97	6	10			67	8	8			58	4	10			41	4	8			28	8	2		
03	140	2	8			128	2	10			113	4	10			95	6	10			65	6	10			56	4	8			41	4	8			28	6	0		
04	138	4	8			126	4	12			111	6	8			93	8	16			64	5	7			56	4	10			41	4	8			28	4	2		
05	136	4	10			117	9	9			94	15	14			77	12	16			59	8	12			56	4	8			41	4	8			32	6	4		
06	128	8	8			111	11	13			93	10	14			65	18	8			49	8	14			52	8	10			41	2	10			32	8	4		
07	126	10	6			108	18	8			89	18	16			67	14	12			39	11	10			46	6	10			35	6	8			34	6	6		
08	128	8	10			106	15	6			89	8	20			65	12	4			33	14	8			34	6	12			29	8	7			31	11	5		
09	124	10	8			108	13	8			85	8	10			67	8	6			37	8	9			34	5	8			29	7	8			30	9	7		
10	124	10	6			106	12	6			84	22	13			65	23	5			39	5	9			31	12	7			29	4	9			26	4	2		
11	126	11	9			109	12	10			87	13	12			69	16	6			35	8	4			30	11	6			33	0	9			30	3	4		
12	130	8	8			112	10	12			91	17	16			79	26	7			45	18	12			34	12	9			33	4	5			29	10	5		
13	134	8	8			122	8	18			103	15	11			83	16	18			41	19	6			38	14	10			39	2	6			30	9	4		
14	138	7	10			124	8	16			109	4	24			91	18	28			49	14	16			40	21	8			41	6	10			32	10	2		
15	140	6	12			128	6	16			113	14	28			93	18	26			53	22	16			50	14	10			45	4	12			34	6	6		
16	142	6	12			128	6	15			111	12	24			91	18	26			57	16	20			54	8	8			49	4	8			34	6	6		
17	141	8	10			130	9	18			111	15	22			91	19	16			59	14	16			60	2	6			49	4	4			32	6	2		
18	141	6	10			127	9	11			111	12	10			97	6	10			69	2	10			64	2	6			49	4	4			30	10	4		
19	142	4	7			128	6	6			111	8	6			97	6	11			71	2	8			64	4	8			45	4	4			28	4	4		
20	142	4	5			128	6	6			111	8	6			99	3	7			73	0	10			64	2	8			43	8	6			28	4	2		
21	140	4	3			128	4	6			113	6	8			97	6	6			73	0	14			66	2	8			43	6	10			30	4	4		
22	140	2	3			128	4	6			114	5	11			97	10	8			71	4	14			62	4	14			45	9	12			30	2	4		
23	140	2	4			128	4	6			113	8	6			97	8	8			70	3	7			60	2	8			41	6	8			30	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0N Long. 159.7 W Month June 1959

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	2	1	7.5	13.0	125	2	4	10.5	16.0	98	4	4	9.0	16.0	73	8	6	*11.0	*16.0	52	5	4	6.5	10.0	57	6	4	*7.0	*11.0	43	2	2	4.0	7.5	*27			*2.0	*4.0
01	156	1	2	8.5	14.5	127	2	3	11.0	18.0	100	4	6	12.0	19.5	73	6	5	*10.0	*17.0	52	4	2	7.5	12.0	62	4	5	6.5	11.5	43	2	2	3.5	7.0	27	2	4	1.5	3.5
02	156	2	2	9.0	15.0	127	4	2	11.0	17.5	99	5	5	12.5	19.5	75	8	9	*13.0	*23.0	52	5	4	7.5	12.0	63	7	6	*6.5	*11.5	43	2	2	3.5	7.0	26	3	3	2.0	3.5
03	156	2	2	10.0	16.0	127	4	2	12.0	18.5	100	6	5	11.5	20.0	75	9	7	15.0	23.0	54	4	6	*7.0	*11.0	67	6	6	*5.5	*12.0	41	2	2	4.0	7.5	25	4	2	1.5	3.5
04	156	1	2	11.0	18.0	129	2	3	12.0	19.0	101	5	7	13.0	21.0	75	10	9	*14.0	*22.5	54	4	4	*7.5	*11.5	54	14	3	6.0	11.0	41	2	4	5.0	8.0	25	2	2	2.0	3.0
05	155	3	1	11.0	18.0	129	3	3	12.0	20.0	100	6	7	13.5	21.5	67	14	5	*10.5	*15.0	54	4	5	*8.0	*12.0	53	2	3	5.5	10.0	40	1	3	4.5	8.0	24	3	1	2.0	3.0
06	154	2	2	12.0	19.0	119	2	4	12.5	19.5	76	10	5	*14.0	*22.0	53	5	4	4.0	6.5	48	4	4	7.0	10.5	47	2	2	7.0	10.5	39	2	2	4.0	7.0	25	2	2	2.0	4.0
07	152	2	2	11.5	19.0	113	5	3	12.5	19.5	70	12	10	7.5	9.5	52	9	3	4.0	6.5	39	3	5	3.0	5.0	39	6	6			33	2	2	4.5	7.5	23	2	0	1.5	3.5
08	150	4	2	11.0	17.0	107	6	4	10.5	17.0	66	17	6	*13.0	*17.5	51	11	3	*6.0	*10.0	32	4	1	3.0	4.5	31	7	4	*5.0	*8.0	25	8	4	4.0	7.0	21	2	0	2.0	4.0
09	150	4	0	10.0	16.5	107	8	4	10.0	15.0	68	15	4	*14.5	*19.0	51	7	2	*3.5	*5.5	32	6	2	2.5	5.0	22	7	3	3.0	5.0	23	4	6	*3.0	*5.0	21	2	0	2.5	4.0
10	150	2	1	10.0	15.5	110	6	6	10.0	15.5	68	17	6	11.0	15.0	53	8	3	8.0	14.0	32	2	2	*3.0	*5.0	27	2	2	*5.0	*9.0	21	7	3	*7.0	*10.0	19	2	0	2.0	4.0
11	151	1	1	9.0	14.0	111	5	4	9.0	14.0	68	15	4	*11.0	*15.0	49	4	2	5.0	7.5	30	3	0	*2.0	*4.0	25	6	4	*4.0	*8.0	21	5	2	*5.0	*7.5	19	2	0	2.0	3.5
12	152	2	2	9.5	15.0	111	6	4	9.5	14.0	68	16	5	14.0	18.0	49	4	2	4.5	7.0	30	4	2	3.0	5.0	23	4	2	5.0	7.5	21	6	4	*4.0	*6.0	19	2	2	2.0	3.5
13	151	3	1	8.0	13.5	111	6	4	8.5	13.0	68	10	6	*13.0	*18.0	51	6	2	*6.0	*11.5	30	2	2	*1.5	*3.0	25	4	4	*4.0	*6.5	21	3	3	*6.0	*8.0	21	2	2	1.5	3.5
14	150	2	2	8.5	13.5	109	6	4	10.0	15.5	64	8	2	*8.0	*11.0	51	6	3	*8.5	*11.0	30	4	0	*2.5	*4.0	25	4	2	*6.0	*8.0	21	4	4	*2.5	*5.0	21	4	2	2.0	4.0
15	150	2	2	10.0	15.0	107	8	4	11.0	15.5	64	9	6	*10.0	*14.0	51	4	4	*3.5	*7.0	30	3	2	3.0	5.0	27	4	2	*4.0	*7.0	23	4	4	*6.0	*9.5	23	2	2	2.5	4.5
16	150	2	2	11.0	17.0	107	10	6	10.5	15.0	62	16	2	*8.0	*11.0	49	4	2	*6.0	*9.0	30	6	2	*2.5	*5.0	30	5	7			28	4	3	*5.0	*7.5	25	2	4	2.5	4.0
17	149	1	1	10.0	16.0	105	8	6	10.0	14.0	62	14	4	*8.5	*11.0	49	4	0	*4.0	*7.0	30	4	2	2.5	4.5	31	7	2			35	4	2	5.0	8.0	27	0	2	2.5	4.5
18	148	2	0	9.5	15.5	103	6	4	6.0	10.0	67	7	5	7.0	11.5	51	7	2	4.0	6.0	32	6	3	3.0	4.5	37	5	2			41	0	2	4.0	7.5	27	2	4	2.5	5.0
19	148	2	0	9.0	15.0	109	2	2	7.0	12.0	82	7	0	6.0	11.0	61	15	4	7.5	11.5	38	5	4	2.5	5.0	51	0	4	*4.5	*7.0	41	2	1	4.0	8.0	25	4	2	2.0	4.0
20	150	0	2	8.0	13.5	117	4	4	7.0	12.0	92	4	4	7.5	14.0	67	7	9	*11.0	*17.5	48	5	6	5.5	9.0	51	3	3	*7.0	*10.0	41	3	2	5.0	8.5	25	4	2	2.0	4.0
21	150	2	0	8.0	13.0	119	4	2	9.0	15.0	94	7	4	9.5	16.0	69	8	8	*11.0	*14.5	50	4	5	*6.0	*9.5	51	4	2	5.5	9.5	43	2	4	4.0	8.0	25	6	2	2.5	4.5
22	152	2	2	7.0	12.0	121	2	4	10.0	16.0	96	4	4	7.0	12.5	69	8	6	10.5	14.0	50	5	4	8.5	13.0	53	2	4	3.5	7.5	41	2	2	4.5	8.0	26	3	3	*3.0	*5.0
23	154	2	2	8.0	13.0	123	2	3	10.5	17.0	98	4	4	9.5	16.5	73	8	8	*12.0	*18.0	50	4	2	5.5	9.5	53	2	4	6.0	10.0	41	2	0	4.0	7.0	27	4	4	2.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month July 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	2	8.0	14.0	127	4	3	10.5	16.5	102	4	7	11.5	18.5	75	9	9	11.5	18.0	54	8	4	5.0	8.0	57	4	4	*5.0	*9.0	44	2	2	4.0	7.0	23	2	0	1.5	3.5
01	156	3	2	9.0	14.5	129	4	5	11.0	17.0	103	6	5	12.5	20.0	77	10	9	12.0	19.0	54	8	4	*7.5	*11.0	59	3	4	*7.0	*11.0	44	2	2	4.0	7.0	25	2	2	2.0	4.0
02	156	4	2	10.0	16.0	129	4	5	12.0	19.0	102	10	5	13.0	20.0	78	11	12	13.0	21.5	54	10	4	*7.5	*11.5	63	2	6	*5.0	*10.0	44	4	2	3.5	7.0	25	3	2	1.5	3.0
03	156	2	3	9.5	15.5	129	6	4	12.5	20.0	104	7	5	12.5	21.0	77	12	7	11.0	18.0	54	9	4	7.0	12.0	64	3	7	*4.0	*7.5	44	2	4	4.0	7.0	23	3	0	1.0	2.5
04	156	4	2	10.5	17.0	129	6	2	12.5	19.5	104	7	5	15.0	22.5	77	10	8	*12.5	*21.0	54	10	4	*9.0	*13.0	55	14	6	*6.5	*11.0	42	4	3	4.0	7.0	23	3	0	1.0	2.5
05	156	4	4	11.0	18.0	131	4	6	13.0	21.0	104	8	6	14.0	23.5	77	9	11	12.5	20.0	55	7	5	10.0	15.5	53	2	4	7.0	11.5	40	4	2	4.0	6.5	23	2	0	1.0	2.5
06	156	2	4	12.5	20.0	121	5	4	12.0	20.0	84	10	10	*16.0	*23.0	56	16	6	3.5	5.0	52	8	6	8.5	13.5	49	4	3	8.0	12.5	40	2	4	4.0	7.0	23	2	1	1.5	3.0
07	152	4	2	12.0	18.5	115	8	3	13.0	20.0	69	24	9	*9.0	*12.5	55	12	4	*3.0	*5.0	41	3	4	3.5	5.5	41	5	6	*9.0	*14.5	34	6	3	5.5	9.0	23	0	2	1.5	3.0
08	152	3	2	10.0	16.0	111	8	6	10.0	15.5	74	22	11	*14.0	*21.0	55	16	4	*7.0	*10.0	34	3	2	3.0	4.5	34	3	5	*11.0	*17.5	26	7	2	4.0	7.0	21	2	0	2.0	3.5
09	152	3	2	9.0	15.0	113	10	6	10.0	16.0	78	18	15	17.5	26.0	53	15	4	4.5	7.0	34	2	4	2.5	4.0	22	7	3	3.0	5.0	24	5	4	5.5	9.0	21	2	2	2.0	3.0
10	152	4	2	8.0	13.0	115	9	6	8.5	14.5	78	16	15	*15.0	*22.0	57	5	6	6.0	9.5	34	3	4	2.0	4.0	27	2	5	*4.0	*6.5	20	6	2	*4.0	*6.5	19	2	2	2.0	3.5
11	152	4	2	8.0	13.0	115	11	4	8.0	13.0	78	19	13	13.0	16.5	53	8	2	4.0	6.5	32	4	4	3.0	4.5	25	4	4	*3.0	*4.0	22	6	4	*6.5	*9.5	19	2	2	2.0	4.0
12	152	4	0	8.0	13.0	117	10	5	7.5	12.0	76	21	10	*17.0	*25.0	53	16	3	*5.0	*8.5	32	2	4	3.0	5.0	25	3	5	2.5	4.5	22	6	6	*5.0	*8.0	19	3	2	*2.0	*4.0
13	154	2	2	8.5	13.5	117	7	6	9.5	17.0	74	18	10	15.0	23.0	53	11	4	3.0	5.5	32	4	3	3.0	5.0	27	2	6	3.0	5.5	22	4	2	*6.0	*8.5	21	2	2	*2.5	*4.5
14	152	2	2	7.0	12.0	115	6	5	11.5	17.0	69	17	9	*12.0	*15.0	53	6	2	5.0	6.5	32	2	2	3.0	4.5	27	2	5	2.5	4.5	21	5	3	*3.0	*5.5	21	2	0	2.5	4.0
15	152	2	2	9.0	14.0	113	6	6	9.0	14.0	70	10	8	*15.0	*18.5	53	6	4	*3.0	*5.5	32	2	2	*2.0	*3.5	29	2	6	*4.5	*7.0	24	4	4	*4.0	*6.0	23	2	0	2.5	4.0
16	152	1	2	10.0	16.0	113	5	8	*13.0	*19.0	70	14	7	*11.5	*15.0	53	10	4	4.0	6.5	32	2	4	2.5	4.0	30	3	2	*1.5	*3.0	30	3	6	3.5	5.5	25	2	2	2.0	4.0
17	150	2	2	10.0	16.0	110	6	7	10.5	15.0	70	17	8	*10.5	*14.0	53	7	4	3.5	5.0	32	4	4	2.0	4.0	33	5	5	*5.0	*7.5	37	2	6	*4.0	*7.5	27	2	4	3.0	5.0
18	150	2	4	10.0	16.0	107	5	4	7.5	12.0	72	13	4	8.0	12.5	55	9	4	*3.0	*5.0	34	4	4	2.0	3.5	39	3	4	*7.0	*10.0	42	2	3	3.0	6.5	27	2	4	3.0	5.0
19	150	2	2	8.0	13.5	113	3	2	8.0	13.0	88	4	4	8.0	14.0	65	5	7	6.0	9.0	40	4	4	2.5	4.5	51	2	4	*5.0	*8.0	44	2	2	4.0	7.5	25	2	2	2.5	4.5
20	150	4	2	8.5	14.5	120	5	3	7.5	13.5	94	6	3	9.0	14.5	68	10	8	*11.5	*16.5	48	4	4	*5.0	*8.0	53	2	4	5.5	10.0	44	3	2	5.0	8.5	25	3	2	2.5	4.0
21	152	3	2	8.5	13.0	123	5	4	8.0	13.5	96	9	2	7.5	12.5	71	7	8	*8.5	*12.0	50	6	2	*7.0	*11.0	53	2	2	6.5	9.5	44	2	2	4.0	8.0	25	2	2	2.0	3.5
22	154	2	2	8.0	13.5	125	4	4	9.0	14.5	100	3	5	10.0	17.0	73	8	7	*11.5	*18.0	52	4	3	*7.0	*11.0	53	2	2	*4.0	*7.0	44	2	4	4.5	7.0	23	2	0	1.5	3.0
23	154	3	2	8.5	14.0	125	4	4	10.0	17.5	101	5	6	10.0	16.0	73	10	7	*14.5	*23.0	53	5	5	*4.0	*6.5	53	2	3	6.0	10.0	44	2	4	4.0	7.0	23	2	0	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month August 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	2	2	9.0	14.5	127	4	4	10.5	17.0	102	6	5	10.0	15.0	79	6	8	*13.5	*22.0	53	9	2	9.0	13.0	56	6	2	*5.0	*8.5	44	2	4	4.0	7.0	22	4	0	1.5	3.0
01	156	2	2	9.0	16.0	129	3	6	10.0	16.0	104	4	7	10.5	17.5	77	14	7	*11.0	*19.0	53	8	3	6.5	10.5	58	4	4	5.0	9.0	44	2	4	4.0	6.5	22	4	0	2.0	3.5
02	156	2	2	9.5	16.5	129	4	5	11.0	18.0	104	6	8	12.0	18.5	78	12	8	13.5	23.0	55	5	5	7.0	12.0	62	7	4	*6.0	*10.5	44	2	4	3.5	6.0	23	2	1	1.5	3.0
03	156	2	2	11.0	18.0	129	5	4	11.5	18.5	104	6	7	11.5	19.5	79	10	9	*12.5	*22.0	55	8	4	7.5	11.5	64	6	6	*5.0	*9.0	42	4	3	3.0	5.0	22	1	2	1.5	3.0
04	156	2	2	11.5	18.5	129	6	3	12.0	19.0	104	7	9	12.0	20.0	79	8	11	*13.0	*20.5	53	8	2	7.5	12.5	55	8	7	6.0	10.0	40	4	2	3.5	6.0	22	0	2	1.5	3.0
05	156	2	2	11.5	18.0	131	4	4	12.5	19.0	104	8	5	10.5	18.0	75	11	8	13.5	21.5	53	6	5	7.0	10.5	52	2	4	5.5	9.0	40	2	4	4.0	6.0	22	0	2	2.0	3.0
06	156	2	2	12.5	20.0	125	4	4	12.5	20.0	91	6	7	*13.5	*21.0	57	12	4	*9.0	*13.5	51	4	3	6.5	9.5	50	4	3	6.5	9.5	40	3	4	3.5	6.0	20	3	0	1.0	3.0
07	154	2	2	12.0	19.0	119	4	4	12.5	19.0	72	14	7	*11.0	*14.5	55	16	6	*4.0	*6.0	39	4	4	3.5	5.5	40	4	4	7.5	12.0	36	2	4	3.5	6.5	21	4	1	1.0	2.5
08	152	3	1	10.0	16.5	113	6	4	11.0	17.0	72	13	10	9.0	15.5	53	9	4	*9.5	*15.5	32	5	3	3.0	4.0	32	4	3	*8.0	*11.5	28	4	4	3.0	5.0	20	4	2	2.0	3.0
09	152	3	2	10.5	16.5	113	7	4	11.0	16.5	73	15	10	11.0	13.0	53	11	5	5.0	7.0	29	4	4	3.5	5.5	22	2	4	2.5	4.0	22	7	4	*6.0	*8.0	20	2	2	1.5	3.0
10	152	4	1	10.0	16.0	114	4	4	10.5	15.5	72	18	10	7.5	15.0	55	10	2	*6.0	*10.0	29	3	2	3.0	4.5	26	2	4	3.5	5.5	22	8	4	*7.0	*10.5	18	2	2	2.0	4.0
11	152	3	0	9.0	14.0	115	4	4	10.5	16.0	72	8	12	*14.5	*20.0	51	8	2	*6.0	*9.5	29	4	2	4.0	5.5	24	2	4	3.5	5.0	21	5	5			18	2	2	2.5	4.0
12	152	4	0	9.0	13.5	115	4	2	10.5	17.0	70	10	6	*11.5	*16.0	53	5	4	*7.0	*9.5	29	2	4	4.0	6.0	24	2	2	2.5	4.0	18	6	2	*5.0	*7.5	18	2	0	2.0	4.0
13	154	2	4	8.0	13.0	115	4	4	9.5	15.0	71	7	7	*10.0	*15.0	53	6	2	*3.5	*8.5	29	6	2	2.5	4.5	24	2	2	2.5	4.5	20	5	4	*7.0	*11.0	18	2	0	2.0	4.0
14	152	2	2	9.0	15.0	113	4	2	12.0	18.0	68	10	8	*6.5	*12.5	53	6	4	*4.0	*6.0	29	4	3	*3.0	*7.0	26	2	4	3.5	5.5	22	3	5	*6.0	*8.0	20	4	2	2.5	4.5
15	152	2	2	9.5	15.0	112	7	5	12.5	18.0	70	9	10	8.5	13.0	53	6	4	4.0	6.5	28	3	3	3.5	5.5	26	2	3	4.0	6.0	22	8	4	*4.0	*6.5	22	4	2	2.0	4.0
16	150	4	2	11.0	17.0	111	8	4	13.0	19.0	70	8	8	*5.5	*11.0	55	5	6	*4.5	*7.0	29	3	4	3.0	5.0	28	8	2	*2.5	*4.0	29	3	3	*5.0	*8.0	24	4	2	2.5	4.5
17	150	2	4	11.0	17.0	109	6	4	11.0	16.0	65	11	3	8.0	12.0	53	7	2	3.5	7.0	29	8	3	3.0	4.5	32	8	4			36	3	2	3.5	7.0	26	2	3	2.5	5.0
18	150	3	2	10.5	17.0	107	8	2	9.0	15.0	76	6	6	5.5	10.5	54	9	3	3.5	7.0	29	9	3	3.0	5.0	40	6	4			40	2	2	3.5	7.0	24	4	2	3.0	5.0
19	150	2	2	9.0	15.5	115	2	3	7.0	12.5	88	4	4	5.5	11.0	63	10	6	*5.0	*7.5	39	7	4	3.0	5.0	49	3	3	*6.0	*8.5	42	2	1	4.5	7.5	24	4	1	2.5	5.0
20	152	2	2	8.5	14.0	121	0	4	8.0	14.0	94	6	4	8.5	15.0	67	12	7	*5.5	*8.0	47	5	7	4.0	8.0	50	4	2	*5.0	*8.0	42	2	2	5.0	8.0	24	2	2	2.5	5.0
21	152	4	1	9.0	15.0	123	3	4	9.5	15.5	98	8	4	9.5	14.5	71	13	7	*12.0	*23.5	50	7	5	6.0	9.0	52	2	2	*5.0	*7.5	42	4	3	4.0	7.0	24	2	2	1.5	3.5
22	154	3	2	9.0	15.0	123	5	2	10.5	17.0	100	8	6	10.5	17.0	73	17	4	*11.5	*23.0	51	9	4	3.0	6.0	53	4	3	5.0	7.5	42	3	2	3.5	6.5	24	2	2	1.5	3.5
23	156	1	2	8.5	14.0	125	6	2	9.0	15.0	102	5	6	10.0	18.0	77	9	7	11.0	19.0	53	8	4	*5.5	*9.5	52	4	2	*5.5	*8.5	42	4	2	3.0	6.0	24	2	2	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month June 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	3	2	*11.0	*16.0	133	4	5	10.5	18.5	110	4	5	*9.5	*15.5	81	10	8	*8.5	*16.5
01	157	3	3	11.0	16.0	133	5	6	10.0	16.0	110	4	6	*9.0	*15.0	83	8	9	*9.5	*16.5
02	157	2	3	11.0	16.0	133	4	5	*11.0	*17.0	110	3	4	9.0	15.0	81	11	7	*9.5	*15.5
03	157	3	3	12.0	17.0	131	6	2	10.0	17.0	108	5	4	9.5	16.0	79	8	8	*10.5	*17.5
04	157	2	2	11.0	16.5	127	6	4	*14.5	*22.0	98	11	6	*14.5	*22.0	61	13	6	*11.0	*19.0
05	155	2	2	*12.0	*18.0	123	6	4	12.0	19.0	86	13	11	*12.0	*17.0	69	8	4	*2.0	*6.5
06	153	3	2	11.5	17.5	119	10	7	13.5	21.0	86	14	17	*14.0	*20.0	67	10	2	*2.0	*4.0
07	155	2	5	*12.0	*18.5	117	12	5	*16.0	*23.0	88	16	12	*13.5	*21.5	69	9	3	*8.5	*16.5
08	155	2	4	14.0	20.0	119	10	6	*16.0	*26.0	84	21	8	*14.5	*19.5	69	2	4	*6.0	*10.0
09	153	4	4	*14.5	*21.5	*120			*14.5	*24.0	*84			*13.0	*18.5	*67			*6.0	*11.5
10	153	4	4	*13.0	*20.0	121	8	5	*15.0	*23.0	88	17	8	*16.5	*23.0	68	14	1	*7.0	*12.0
11	153	4	2	13.5	20.5	123	6	4	13.5	22.0	90	16	6	*14.5	*22.5	67	14	2	*12.5	*21.0
12	155	2	2	13.5	19.0	125	11	4	14.0	22.0	92	21	7	14.0	23.0	73	15	4	*8.0	*14.0
13	157	3	2	12.0	19.0	127	10	4	12.0	19.0	93	21	7	*11.5	*19.5	71	20	4	*7.0	*12.5
14	158	3	3	12.5	19.0	127	11	4	10.0	17.5	96	23	11	12.5	21.0	73	23	6	10.0	17.0
15	159	2	2	10.5	16.5	129	10	5	8.5	14.5	94	29	10	11.0	14.0	71	28	4	*6.0	*10.0
16	159	3	2	9.5	15.0	127	13	2	9.0	14.0	92	23	9	*11.5	*16.0	71	21	6	*10.0	*15.0
17	159	2	2	7.5	13.0	125	13	5	8.0	13.0	89	28	6	*10.5	*16.0	70	25	5	*10.5	*16.0
18	157	2	1	8.0	13.0	123	16	6	8.5	13.0	90	30	10	*11.5	*17.5	69	30	2	*7.0	*12.5
19	157	4	2	8.5	13.5	123	10	4	*9.5	*15.0	98	10	18	*12.5	*20.5	79	7	6	*6.5	*11.5
20	157	2	2	*10.0	*15.0	131	6	4	11.5	19.0	108	7	4	10.0	17.5	86	7	9	*8.0	*14.0
21	159	2	2	10.0	15.0	133	4	2	9.0	15.5	110	7	5	*8.5	*13.5	83	7	4	*7.0	*13.0
22	159	2	3	*10.5	*16.5	133	4	3	11.5	18.0	110	6	6	9.5	15.5	85	7	7	*10.0	*16.5
23	157	4	2	*11.5	*16.5	133	4	4	10.0	16.5	110	5	6	9.5	15.5	83	8	8	*9.0	*15.0

Hour (LST)	2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	64	6	10	*7.5	*14.5	63	3	5	4.5	10.0	45	4	2	*4.5	*7.5	31	8	4	*4.0	*6.5
01	62	8	7	*7.0	*12.5	61	2	7	7.5	11.5	45	4	4	*4.5	*7.5	29	13	4	*3.0	*5.0
02	62	7	8	*9.0	*14.5	59	4	5	8.0	12.5	43	4	3	*5.5	*9.0	27	8	2	*3.0	*5.5
03	62	7	8	*9.5	*18.0	59	3	5	6.0	11.0	43	4	4	6.5	10.5	25	4	2	1.5	3.5
04	58	5	4	*6.0	*11.0	57	3	4	6.0	10.0	43	4	4	7.5	11.0	25	6	2	2.5	4.5
05	44	9	5	*9.5	*15.0	47	6	7	*7.5	*12.0	39	6	10	*6.0	*10.0	25	2	2	*3.0	*5.0
06	38	9	1	8.5	12.5	39	12	7	*7.0	*11.5	35	5	6	*5.0	*8.5	25	4	2	*3.0	*5.0
07	38	3	2	7.5	11.5	37	10	8	*6.5	*10.0	29	11	6	*5.5	*8.0	25	12	2	*4.0	*7.0
08	32	8	2	*6.5	*10.0	33	10	6	*8.0	*11.0	25	8	4	*9.0	*13.0	27	10	4	*3.0	*5.0
09	30	4	2	*5.0	*7.5	*29					*23					*25			*2.5	*4.5
10	30	2	2			29	10	3	*7.5	*10.5	25	10	4	*6.5	*9.5	25	6	4	*2.0	*4.0
11	32	6	2	*6.0	*8.5	31	4	4	*7.0	*10.0	24	9	5	*5.0	*7.5	29	8	8	*3.5	*5.5
12	32	14	2	*7.0	*9.5	30	12	3	*9.5	*15.5	23	11	5	*3.5	*5.0	29	8	6	*3.0	*5.5
13	34	24	5	*15.0	*23.0	33	13	7	*8.5	*14.5	32	7	10	*4.0	*7.5	31	9	6	*3.0	*6.0
14	32	26	3	*10.0	*17.5	34	16	8	8.5	14.0	31	14	6	*7.0	*12.0	36	10	9	*7.0	*12.0
15	32	31	4	*8.0	*16.5	35	18	6	*10.5	19.0	33	10	4	*8.5	*14.5	35	10	10	*3.0	*6.5
16	38	27	2	8.5	12.5	43	13	12	*8.5	16.5	37	7	5	4.0	8.0	39	9	10	*3.5	*8.5
17	40	15	4	*8.0	*11.5	44	12	7	*12.5	19.5	41	6	4	*6.0	*10.0	39	6	11	*3.5	*7.0
18	42	18	4			51	10	6	*6.0	10.0	45	6	2	*6.0	*10.0	41	6	10	*4.0	*7.5
19	50	16	4	*7.5	*12.0	61	6	4	*4.5	8.0	47	4	4	*4.5	*8.0	39	8	10	*2.0	*5.0
20	58	10	4	*8.5	*16.5	71	4	6	*8.0	14.0	47	4	2	5.5	9.0	37	6	8	*3.0	*6.5
21	62	7	6	*7.5	*13.5	74	10	6	*7.5	13.0	49	2	4	*4.0	*7.5	34	7	7	3.0	5.5
22	62	8	5	*7.0	*12.0	77	6	6	*6.0	12.0	49	2	4	*4.5	*8.5	35	10	8	*3.0	*6.0
23	62	10	8	*8.0	*13.5	65	13	4	*4.0	8.0	45	6	2	*4.5	*8.5	35	14	9	*3.5	*6.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month July 19 59

Hour (LST)	Frequency (Mc) .013					.051					.160					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	160	3	4	8.5	15.0	133	4	4	*8.0	*14.0	110	4	4	7.5	14.5	82	6	6	*7.5	*12.5
01	158	3	2	10.0	15.5	133	4	4	9.0	15.0	110	4	5	8.5	15.0	84	5	6	*10.5	*19.0
02	158	4	3	10.0	16.0	133	4	3	8.5	14.0	110	6	4	*7.0	*13.5	84	4	7	8.0	15.0
03	160	3	5	10.0	15.5	133	3	5	10.5	17.0	110	6	5	8.0	15.5	84	6	9	*8.0	*14.0
04	158	4	3	*11.5	*17.0	131	5	5	*11.0	18.0	104	4	7	*9.5	*16.0	72	9	11		
05	158	2	4	12.0	17.5	125	6	4	*11.0	18.0	91	12	11			70	10	6		
06	156	3	4	11.0	17.0	121	10	6	*13.0	19.5	90	17	14	*11.0	*16.0	68	10	2	*5.0	*9.5
07	156	4	4	10.5	16.0	121	11	8	*9.5	*17.0	89	15	9	*10.5	*17.0	70	13	4	*5.0	*9.5
08	156	4	4	13.0	17.5	123	5	7	*13.0	*20.5	90	11	9	*10.0	*17.0	68	10	4		
09	156	6	6	*7.0	*10.0	*123			*2.0	*14.5	*88					*68			*3.0	*3.5
10	*155			*12.0	*17.5	*123			*5.0	*8.5	90	18	7	*8.5	*14.5	69	8	3	*5.0	*9.0
11	156	4	6	*8.5	*14.5	123	6	6	*6.0	*11.5	87	10	8	*11.5	*15.0	64	7	2	*7.0	*12.5
12	155	5	3	*8.0	*11.5	123	8	4	*10.5	*18.0	88	12	8	*10.0	*16.0	71	5	5	*5.0	*10.0
13	156	6	4	12.5	18.0	124	7	3	*8.5	*14.5	88	8	8	*8.5	*14.0	70	6	4	*3.5	*6.5
14	158	4	4	*10.5	*16.5	127	6	4	7.0	11.5	90	28	3	*6.5	*10.5	72	24	4	*6.5	*11.0
15	160	4	2	7.0	11.5	127	12	2	6.0	10.5	94	27	9	*8.0	*12.5	72	26	2	*6.0	*9.5
16	162	4	2	7.5	12.5	129	12	4	5.0	9.5	93	29	10	*7.5	*10.5	70	26	4	*4.5	*8.5
17	162	2	4	7.0	12.0	127	8	4	5.5	10.0	89	27	9	*9.0	*14.0	72	18	6	*5.0	*9.5
18	162	2	4	6.5	11.5	125	8	4	8.0	13.0	89	21	6	*9.5	*14.5	72	18	4		
19	158	6	0	8.0	13.5	127	10	4	6.0	10.5	103	12	8	*8.0	*14.0	82	10	6	*5.5	*10.0
20	160	4	2	8.0	13.5	131	5	4	9.0	14.5	106	9	2	*8.0	*14.0	84	10	6	*6.0	*12.5
21	160	5	2	9.5	15.5	133	5	4	7.0	13.0	110	6	5	8.0	15.0	86	4	7	*6.5	*11.0
22	160	4	4	9.5	15.0	133	5	4	7.5	13.5	110	4	6	6.5	12.0	84	4	4	*7.0	*13.5
23	160	4	2	10.0	15.5	133	6	2	9.5	16.5	110	3	4	7.5	13.5	84	4	5	*7.5	*14.0

Hour (LST)	Frequency (Mc) 2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	60	5	6	*5.5	*9.5	59	6	6	*5.0	*9.0	47	2	7	4.0	8.0	28	7	3	*2.0	*4.0
01	60	6	4	7.0	12.5	58	3	5	6.0	9.0	45	4	5	3.5	8.0	27	5	3	2.0	4.5
02	60	6	4	7.0	12.5	57	3	5	6.0	11.0	44	5	4	*5.0	*9.0	27	4	3	2.0	4.0
03	60	5	3	*8.0	*14.0	57	4	4	*8.0	*12.0	43	5	5	5.5	9.5	24	5	2	1.5	3.5
04	60	5	5	7.5	12.5	55	6	4	*5.5	*10.0	44	6	5	*5.0	*8.0	25	4	2	2.0	4.0
05	46	7	5	*7.5	*12.5	47	6	6	*7.0	*11.0	41	5	4	*5.5	*9.5	25	4	3	*2.0	*3.5
06	40	3	5	*8.5	*12.5	37	6	6	*10.0	*14.0	36	6	6	*6.0	*9.5	26	3	4	3.5	6.0
07	38	7	2	*8.5	*12.0	33	7	6	*8.0	*12.5	31	5	5	*8.0	*11.0	25	6	3	2.5	4.0
08	32	8	3	*7.5	*10.5	29	9	4	*6.5	*9.0	27	6	3	*3.0	*5.0	24	7	2	*2.0	*4.5
09	30	4	0	*4.5	*7.5	*29			*6.5	*12.0	*26			*3.5	*6.5	*24			*2.0	*4.0
10	*32			*5.0	*7.5	*27			*7.5	*10.0	25	4	4	*4.0	*7.0	23	7	3	*1.0	*3.5
11	32	5	3	*4.5	*7.5	28	5	6	*7.5	*11.0	23	5	3	*2.0	*3.5	24	4	4	*1.5	*3.5
12	32	8	2	*6.5	*10.5	29	6	6	*7.5	*10.5	23	6	5	*3.5	*5.5	25	8	5	*1.5	*3.5
13	32	6	2	*3.0	*5.5	29	8	6	*5.5	*9.0	26	6	4			26	9	4	*2.0	*5.0
14	32	17	2	*4.5	*7.0	29	18	2	*6.0	*8.5	27	8	4			27	7	3	*3.0	*5.5
15	34	23	4	*4.0	*6.5	31	12	4	*6.5	*10.0	31	5	4	*4.5	*7.0	29	9	4	*2.0	*4.0
16	40	22	4	*9.0	*12.0	35	16	8	*7.0	*10.5	36	6	4	*4.5	*8.5	32	5	5	*2.5	*4.5
17	40	18	4	*8.5	*11.5	37	14	4	*8.5	*12.5	41	3	5	*4.5	*8.5	31	11	3	*2.0	*5.0
18	44	16	6	*9.0	*13.5	49	6	9	*4.5	*9.0	44	4	3	5.0	9.0	31	9	4	*2.5	*6.0
19	50	9	7			59	6	5			47	3	4	*4.0	*7.5	31	8	5	*2.5	*4.5
20	57	6	8	*8.5	*14.0	68	6	9	*6.5	*10.0	48	2	4	*4.5	*8.0	29	5	3	*1.5	*4.0
21	59	6	13	*7.0	*13.5	73	4	9	*5.0	*9.5	48	4	3	*4.0	*7.5	29	4	3	2.5	4.0
22	58	5	6	*5.5	*9.5	73	8	8			49	5	3	*4.0	*8.5	29	5	4	2.5	5.0
23	60	3	8	*5.5	*10.0	61	15	8	*6.5	*11.0	49	3	4	*5.0	*8.5	29	6	4	*2.0	*4.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month August 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}	D_u	D_ℓ	V_{dm}^*	L_{dm}^*
00	160	4	7	10.0	15.0	136	4	6	*8.0	*13.5	112	8	5	*5.5	*10.5	88	10	8	5.0	9.5	61	7	6	8.0	11.5	59	8	6	7.5	11.0	48	6	5	5.5	8.5	27	4	4	2.0	4.0
01	158	6	6	*11.0	*17.0	134	6	3	9.0	15.5	113	7	5	7.0	13.5	88	10	6	6.5	12.5	59	8	4	7.5	12.0	57	8	6	3.0	5.0	46	6	5	5.5	8.0	26	7	3	3.0	4.5
02	158	6	5	10.5	16.5	134	7	4	*9.0	*15.0	114	7	5	7.5	13.5	89	7	7	8.0	16.5	59	8	6	9.5	15.0	57	7	8	8.5	12.5	44	6	4	6.0	10.0	25	5	2	2.5	4.0
03	160	3	7	*8.5	*14.5	136	6	6	*11.5	*19.5	114	6	7	*7.0	*13.0	90	6	8	6.5	13.0	61	5	10	9.5	14.5	57	5	6	7.5	11.0	44	5	4	7.5	10.0	25	5	3	1.5	3.0
04	158	4	6	*9.5	*16.5	138	3	9	*10.5	*16.5	114	4	11	*6.5	*12.5	84	11	9	6.0	11.5	61	4	9	10.0	15.5	57	6	6	7.5	11.5	42	6	4	6.5	11.0	25	2	3	3.0	4.5
05	158	4	5	*8.0	*13.5	130	6	8	*12.0	*17.5	97	11	12			70	13	4	11.0	16.5	54	8	8	8.0	13.0	53	9	8	6.5	10.5	43	6	5	7.0	10.0	25	6	2	3.5	6.0
06	156	6	6	*10.0	*17.0	127	8	10	*10.5	*16.5	88	19	12	*9.0	*14.0	68	17	4	4.5	9.0	41	10	2	6.5	10.5	40	10	9			38	5	4	8.0	12.0	27	4	4	4.5	6.0
07	156	6	6	*11.5	*18.5	124	8	11	*10.5	*18.0	90	20	12	*12.5	*19.5	68	22	4	9.0	14.0	39	11	3	9.5	12.5	35	7	7	11.0	14.0	33	6	6	5.0	7.0	27	4	4	4.0	5.5
08	156	4	5	*11.5	*18.0	124	8	10	*13.0	*22.0	88	18	9	*11.0	*16.0	68	24	4			33	17	6			31	8	7	5.0	8.5	29	4	3	3.5	5.5	27	6	5	3.5	6.0
09	156	8	6	*10.0	*13.5	124	9	7			*92			*10.0	*18.0	*68					31	18	5	6.0	8.0	29	5	5	9.0	12.5	*28					*25				
10	*156			*12.5	*19.5	*126					*92			*10.5	*19.5	68	20	4			*31					*29			7.5	10.5	*26			3.5	5.5	23	4	2		
11	156	6	5			126	13	6			93	19	8	*11.0	*18.0	69	26	6			33	22	2	6.0	8.5	30	9	5	12.5	15.5	24	8	4	4.0	6.5	27	5	6	3.0	4.0
12	155	7	3	*15.0	*23.0	128	6	8	*9.5	*18.0	94	12	8	*11.0	*18.0	72	14	6			33	22	2	8.0	10.0	31	8	6	8.5	10.5	25	9	6	6.0	8.5	25	6	4	4.0	5.5
13	156	4	4	*10.5	*18.0	128	6	4	*10.5	*19.0	95	11	11	*10.0	*17.5	72	12	5			33	17	4	5.0	7.5	29	8	6	5.0	7.0	25	5	4	4.5	7.0	27	4	6	2.0	4.0
14	158	2	4	*11.0	*18.5	128	8	5	*10.0	*17.0	92	19	6	*9.0	*16.5	72	15	8	7.0	12.0	31	20	2	8.0	11.5	29	11	4	9.0	12.5	26	5	3	7.0	9.5	29	8	6	2.5	4.5
15	160	2	6	*10.0	*18.0	130	8	6	10.0	17.0	91	28	7	*6.5	*12.0	72	25	7			31	21	2			31	14	4	8.0	11.0	31	9	5	3.5	6.0	30	4	5	4.0	8.5
16	160	4	4	*9.0	*15.0	128	12	6	*9.0	*15.0	94	24	10	*11.5	*17.0	74	25	8	3.5	6.5	39	15	8			37	15	8			38	4	5	6.0	10.0	32	3	5	3.5	6.0
17	160	4	4	*8.5	*15.0	126	14	4	9.5	16.0	91	33	9	*11.5	*17.5	72	27	6	9.5	15.5	43	18	6	9.0	13.0	45	8	8	8.5	15.0	44	2	6	6.0	9.5	31	7	4	3.0	6.0
18	160	6	4	9.0	15.0	126	20	7	*12.5	*18.5	99	26	13	*9.5	*16.5	78	21	8	3.5	7.5	49	11	9	7.0	14.0	54	6	7	6.5	10.5	46	4	4	4.0	7.0	31	8	4	3.0	5.5
19	158	6	6	8.0	13.5	130	12	7	11.5	21.0	107	17	13	*9.5	*17.0	84	11	7	1.5	4.0	53	12	9	8.5	15.5	65	6	8	9.0	14.0	48	5	4	3.5	6.0	31	10	4	3.5	6.0
20	160	4	6	*9.5	*15.5	134	6	6	*8.5	*15.0	111	10	6	*8.0	*16.0	87	8	9	5.0	9.5	57	9	8	7.5	12.5	71	4	5	10.0	15.0	48	6	3	4.0	7.5	29	5	4	3.0	5.0
21	160	3	5	11.0	17.5	134	6	5	*9.0	*16.0	111	7	6	*8.0	*16.0	88	8	8	8.0	13.5	59	6	4	8.5	15.0	73	8	9			49	4	4	3.5	6.0	27	8	2	3.5	5.0
22	160	3	5	10.5	18.5	134	9	4	8.5	15.5	112	8	7	8.0	15.0	88	9	6	5.5	9.0	59	8	6	9.0	14.5	73	7	9			50	4	6	3.0	6.0	27	6	2	2.0	4.0
23	160	4	6	9.5	15.5	134	8	4	8.0	13.5	112	7	7	*10.5	*16.5	88	11	5	5.0	9.0	59	10	4	7.0	11.5	63	14	8	4.5	9.0	48	6	5	4.0	7.0	27	6	3	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month June 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	123	10	6			107	11	6			95	11	7			87	8	6			59	11	4			47	9	7			31	4	2			24	1	0		
01	123	8	4			107	12	6			95	10	8			87	4	6			58	13	3			47	8	7			31	1	0			24	0	0		
02	125	8	6			107	13	6			93	9	5			87	6	8			58	15	5			47	9	6			31	4	1			24	2	0		
03	125	11	8			107	13	6			93	15	6			87	10	10			60	13	6			47	7	4			31	6	0			24	2	0		
04	123	14	5			109	14	8			95	12	8			85	10	10			58	14	6			45	9	4			29	4	0			24	2	0		
05	125	12	6			109	12	10			95	9	11			81	8	12			58	14	8			47	7	6			31	6	2			24	2	0		
06	118	13	5			100	14	7			83	12	10			58	13	3			50	19	8			45	17	5			35	11	4			24	2	0		
07	113	17	7			81	19	8			61	26	2			57	2	2			42	12	4			36	10	5			33	14	4			24	5	0		
08	111	17	8			81	19	12			61	28	2			57	2	2			40	6	2			29	12	4			27	18	4			*24				
09	*101					*75					63	12	4			57	2	2			*40					*26					23	6	4			22	9	0		
10	108	18	10			77	27	5			63	17	4			57	1	3			40	2	5			25	3	2			25	6	4			22	7	2		
11	109	16	10			79	28	8			61	18	2			57	2	4			42	0	6			25	3	2			23	9	4			22	10	2		
12	110	17	7			82	25	9			61	14	2			55	4	2			42	0	4			25	4	2			23	6	4			22	4	0		
13	113	12	6			85	24	14			61	18	2			57	0	4			42	0	6			25	3	4			23	12	2			24	4	2		
14	113	12	6			83	20	8			61	16	2			55	2	2			42	0	5			25	7	4			25	9	4			24	8	2		
15	115	8	6			85	18	12			61	16	4			57	0	4			42	0	3			27	7	4			31	9	4			26	6	2		
16	115	9	7			77	28	14			61	20	2			57	2	2			42	5	3			31	10	5			37	4	2			28	8	2		
17	115	8	7			89	20	18			72	14	13			61	16	6			44	14	2			45	8	9			40	5	3			28	4	2		
18	115	14	6			99	15	14			79	19	7			75	8	8			43	10	6			47	10	6			41	6	2			28	3	2		
19	121	8	5			102	12	5			85	12	9			81	6	6			58	8	6			49	8	4			39	6	2			26	0	2		
20	121	9	4			105	10	6			87	10	10			83	6	6			58	10	4			47	12	2			39	6	3			24	2	0		
21	123	9	4			105	10	4			89	10	8			85	6	6			58	11	2			46	11	3			37	2	2			24	2	0		
22	121	8	4			107	10	6			89	12	4			85	6	6			58	12	2			45	10	2			35	8	2			24	2	0		
23	123	8	6			105	12	3			93	9	6			86	3	7			59	11	3			46	9	5			33	10	2			24	0	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month July 19 59

Hour (LST)	.051					.113					.246					.545				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	123	10	4			108	10	6			96	10	12			87	11	6		
01	123	10	4			108	9	6			94	6	10			87	6	4		
02	123	8	4			108	10	6			94	6	8			87	8	6		
03	123	8	4			108	8	6			94	10	7			85	10	4		
04	124	7	3			106	10	4			94	10	6			85	8	6		
05	123	8	2			108	8	8			94	12	10			84	7	9		
06	121	10	8			98	18	6			79	13	9			57	10	2		
07	113	12	4			78	28	6			60	20	2			57	4	2		
08	111	15	7			75	30	3			62	17	4			58	3	3		
09	*107					82	22	10			62	20	4			59	0	4		
10	107	18	8			76	27	3			61	21	3			57	3	2		
11	109	18	11			78	23	6			60	25	1			58	4	2		
12	111	13	9			76	32	4			61	27	3			57	6	2		
13	111	12	4			78	26	4			60	18	2			57	2	2		
14	113	8	6			80	19	6			60	22	2			57	4	2		
15	115	6	6			82	16	8			60	18	2			57	5	2		
16	115	6	6			84	20	12			60	18	2			57	4	2		
17	113	10	6			79	30	6			66	24	8			65	18	8		
18	115	16	10			98	18	14			78	20	10			77	16	8		
19	119	12	4			102	14	8			84	16	8			81	12	6		
20	121	10	6			104	10	8			85	15	7			85	10	6		
21	121	8	6			104	11	4			88	10	8			87	6	6		
22	123	6	6			108	4	8			92	8	10			87	6	4		
23	121	10	4			108	8	8			94	8	8			86	8	7		

Hour (LST)	2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	58	10	6			45	4	4			31	8	2			25	2	0		
01	59	9	7			46	3	3			29	4	0			25	2	0		
02	58	8	6			45	8	2			29	4	0			25	2	0		
03	58	8	6			45	8	4			29	2	2			25	2	0		
04	58	8	4			47	6	6			29	4	2			25	1	0		
05	56	10	4			47	8	6			27	4	0			25	1	0		
06	52	12	8			45	6	6			31	4	4			25	3	2		
07	38	14	4			35	12	4			31	12	4			25	4	2		
08	38	4	6			29	9	6			25	14	4			23	2	2		
09	*40					*31					23	12	4			23	10	2		
10	40	2	6			25	6	4			22	10	4			21	14	0		
11	40	3	5			26	3	5			21	12	4			22	7	1		
12	42	1	5			25	5	4			21	12	3			21	6	0		
13	42	0	4			25	6	4			24	9	5			23	2	2		
14	42	2	4			27	4	4			23	11	4			23	6	0		
15	42	2	4			27	8	4			29	10	2			25	3	0		
16	42	2	4			31	8	4			37	8	6			29	2	4		
17	42	12	4			43	10	10			37	8	2			29	2	2		
18	50	16	8			48	11	9			37	8	2			28	3	1		
19	56	10	6			47	10	6			37	8	2			27	4	2		
20	58	8	6			47	10	6			35	4	2			25	2	0		
21	58	6	6			45	8	4			33	6	2			25	2	0		
22	58	6	6			45	8	4			33	2	4			25	2	0		
23	58	7	6			45	4	4			31	4	2			25	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month August 1959

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	125	9	7			107	12	6			95	10	7			85	15	3			59	10	6			46	10	4			31	4	2			24	2	1		
01	126	10	7			107	12	4			94	12	7			86	11	6			59	11	5			47	10	3			31	5	4			24	0	1		
02	124	11	4			107	12	4			92	13	5			84	14	5			57	12	4			48	11	4			30	5	3			24	0	2		
03	124	10	4			107	12	6			91	12	6			83	13	7			56	14	5			48	9	4			29	8	2			24	0	2		
04	125	8	5			107	11	6			90	11	7			80	15	7			55	16	5			48	7	4			29	6	2			24	0	2		
05	124	9	5			106	13	6			90	11	7			80	13	10			53	18	6			46	12	3			29	4	2			24	0	2		
06	122	8	9			95	19	11			70	25	11			56	15	2			51	10	10			48	9	6			35	6	6			24	3	2		
07	118	12	10			81	34	10			61	30	2			56	4	0			43	6	4			34	17	6			31	4	6			26	8	2		
08	110	16	8			77	42	8			65	25	6			58	4	2			43	6	4			28	14	4			25	18	4			26	10	4		
09	*114					83	29	12			65	16	7			58	2	3			*43					26	8	2			25	14	7			24	6	2		
10	106	20	8			79	30	8			61	16	2			58	2	2			41	6	0			26	6	2			23	12	2			22	6	2		
11	108	20	8			73	32	4			59	16	1			57	2	1			41	6	0			26	5	2			23	9	6			22	6	2		
12	109	19	5			77	30	4			61	21	3			58	1	2			43	6	2			26	4	2			21	13	4			22	5	2		
13	112	15	6			79	25	6			61	20	4			58	2	3			47	2	6			26	3	2			23	13	6			23	5	3		
14	113	17	5			84	20	9			61	21	4			56	4	0			43	6	4			26	7	2			21	17	4			24	6	2		
15	116	14	5			85	25	8			59	26	1			56	5	0			43	6	2			26	9	2			27	16	4			26	6	2		
16	118	11	7			85	31	11			59	30	2			58	12	2			43	6	2			28	13	2			35	8	4			28	3	3		
17	118	12	8			83	28	9			61	30	4			60	14	4			47	5	6			36	18	7			39	9	4			28	2	2		
18	120	10	10			95	20	14			75	22	11			76	12	6			49	14	4			48	12	7			40	10	5			28	6	2		
19	123	10	10			105	11	8			83	17	8			82	9	4			55	10	6			49	12	5			39	6	3			28	6	2		
20	124	10	8			107	8	9			86	14	7			83	8	7			55	12	4			52	7	9			37	7	3			26	6	2		
21	126	6	10			105	11	5			91	10	6			86	9	6			57	12	6			48	13	5			35	6	2			26	4	2		
22	126	8	9			107	12	8			91	11	6			86	11	6			59	10	6			47	14	5			34	5	3			24	6	0		
23	126	7	8			109	9	10			94	11	7			86	12	6			59	11	6			47	12	5			33	4	4			24	3	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8 W Month June 1959

Hour (LST)	Frequency (Mc)																																							
	.051					*.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	131	3	5								97	10	4			84	7	4			62	6	6			55	4	4			47	4	4			35	10	4		
01	131	2	5								97	8	4			84	7	4			60	4	4			55	4	4			47	4	4			35	13	4		
02	131	2	5								97	11	5			84	10	6			60	6	4			55	4	4			46	7	3			35	8	8		
03	129	4	4								95	10	4			80	8	4			58	8	4			53	4	4			47	6	6			31	8	4		
04	127	5	2								93	5	6			76	6	6			56	8	6			53	6	4			45	6	4			31	12	4		
05	123	4	4								83	5	4			68	6	6			52	4	4			49	4	4			45	2	4			33	10	4		
06	119	4	4								87	4	10			74	9	10			42	12	2			35	6	8			39	4	6			35	8	6		
07	115	6	4								91	2	2			78	6	14			40	8	4			27	8	6			33	6	4			37	8	6		
08	115	6	5								91	2	2			76	9	12			38	8	4			23	10	6			33	6	10			37	10	12		
09	117	6	2								91	0	2			76	10	18			37	8	3			25	7	8			28	9	7			37	9	9		
10	119	4	4								91	0	5			68	14	6			36	8	2			21	7	2			31	8	6			31	8	3		
11	121	4	2								89	4	2			74	11	11			38	6	4			23	4	6			31	8	10			34	7	7		
12	123	5	4								91	8	5			76	10	12			39	7	5			25	7	6			32	6	11			34	10	4		
13	125	6	4								91	8	6			80	9	12			38	8	5			25	8	4			33	7	13			33	9	5		
14	127	5	6								91	8	6			80	9	20			38	6	5			25	4	8			35	6	10			33	9	2		
15	129	4	8								95	4	10			79	9	16			41	6	8			31	7	13			39	6	10			33	7	2		
16	129	4	8								93	10	6			79	4	17			38	11	4			35	5	12			41	5	11			37	7	5		
17	129	5	9								93	10	7			78	12	15			40	12	4			41	4	17			43	4	10			37	8	4		
18	125	6	5								91	13	5			78	13	13			45	5	7			46	3	15			45	4	6			41	8	8		
19	125	6	6								89	10	7			80	9	7			54	4	10			53	6	8			49	4	4			49	2	18		
20	127	4	4								97	4	7			84	6	6			64	4	10			57	4	4			49	4	6			35	8	4		
21	129	5	4								99	4	8			85	5	5			64	4	6			57	4	4			47	9	4			33	13	4		
22	131	3	5								99	4	8			86	6	6			64	4	6			57	4	4			47	7	4			35	6	5		
23	131	4	6								99	7	6			86	7	5			64	4	9			55	6	2			45	6	2			37	12	6		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*Signal Contamination.

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month June 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	123	9	7	8.0	14.5	108	14	8	10.0	17.0	92	10	8	8.0	15.0	80	8	4	6.5	12.5
01	126	6	10	10.5	16.0	110	12	12	7.5	14.5	92	13	9	8.0	15.0	82	10	6	7.0	13.0
02	124	7	9	9.0	17.0	106	10	6	8.0	15.0	92	11	8	7.0	15.0	78	10	6	6.0	12.0
03	122	9	6	11.5	16.0	106	14	8	9.0	15.0	92	9	8	9.5	14.0	78	9	7	5.5	14.0
04	120	14	4	8.0	17.0	104	15	8	*8.0	*13.5	86	13	7	10.0	15.0	76	8	8	8.5	14.0
05	120	14	4	9.5	16.0	102	16	6	6.5	13.0	85	12	8	6.0	12.0	72	11	5	9.0	13.0
06	118	13	4	9.5	15.0	98	18	4	*6.0	*13.0	80	16	10	3.0	6.0	78	8	8		
07	110	16	8	10.5	15.0	94	8	4	3.0	8.0	76	11	4	2.0	6.0	78	4	6	*7.0	*13.5
08	110	17	8	*9.0	*14.0	94	9	5	*4.0	*7.5	76	7	6	*3.0	*6.5	78	4	6	*4.0	*9.5
09	*107			*7.0	*11.0	*94			*4.5	*7.0	*74			*3.5	*7.0	78	4	2	*7.5	*13.5
10	108	22	9	9.0	14.0	94	11	6	4.5	7.5	74	7	5	*5.0	*8.5	80	4	2	*5.0	*10.0
11	105	22	5	7.5	13.0	94	10	2	4.5	8.0	74	6	4	*4.5	*6.5	76	4	2	*9.5	*17.0
12	106	20	6	10.0	14.0	94	12	4	6.0	9.0	72	13	2	*2.5	*6.0	76	8	6	*3.0	*7.0
13	110	18	8	11.0	17.0	94	13	2	4.5	10.0	72	8	2	4.5	7.0	80	4	4	*5.0	*14.5
14	113	18	10	12.0	17.0	94	10	2	4.5	9.0	72	6	2	*2.5	*6.0	80	4	4	*7.5	*9.0
15	114	11	10	11.5	17.0	92	10	2	4.0	9.0	72	12	4	4.0	6.5	78	4	4	*7.5	*12.5
16	114	11	10	10.5	18.0	94	10	2	5.0	10.0	74	6	6	1.5	4.5	80	2	4	*3.5	*8.0
17	114	14	8	12.0	16.5	96	8	3	5.0	9.0	78	10	8	*5.0	*7.0	76	6	4	*4.5	*10.0
18	120	10	8	8.0	14.5	100	14	6	4.0	8.0	85	7	5	5.0	11.0	78	10	4	5.0	10.0
19	122	12	6	8.0	14.0	106	10	8	5.0	10.0	88	14	10	6.0	12.0	82	7	4	5.0	10.0
20	124	11	7	8.0	16.0	104	14	4	7.0	11.0	91	13	10	6.0	13.0	84	9	4	5.0	9.5
21	126	10	10	8.0	14.0	106	12	8	6.5	12.5	91	12	8	5.0	10.5	84	5	8	4.5	10.5
22	124	10	10	8.0	14.5	104	18	6	6.5	11.0	91	13	7	6.0	11.0	82	10	4	5.0	11.0
23	126	7	11	8.0	14.5	108	14	10	7.0	13.0	85	9	11	6.5	13.0	82	7	3	*6.0	*11.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	56	9	8	4.5	7.5	57	8	11	*5.0	*9.0	33	14	4	*4.0	*7.0	29	6	4	3.5	5.0
01	54	8	8	*6.0	*10.0	51	8	6	*6.0	*8.5	33	12	3	*4.0	*7.5	29	3	4	2.5	5.0
02	52	10	6	4.0	7.5	51	10	6	*4.5	*9.0	32	11	5	*6.0	*8.0	27	3	4	2.0	3.5
03	52	10	6	*6.0	10.5	51	8	6	*4.5	*8.0	31	9	6	*6.0	*8.0	26	4	1	*4.0	*4.0
04	50	13	6	*6.0	8.0	51	9	6	4.0	10.0	29	9	5	*4.0	*7.0	25	4	0	1.0	3.0
05	51	12	7	*3.5	7.0	45	12	4	*6.0	*10.5	25	13	3	*4.5	*6.0	25	4	2	*2.0	*3.0
06	48	12	6	*4.5	9.0	49	11	6	*4.5	*7.5	27	12	6	*4.0	*6.0	26	33	3	*1.5	*3.0
07	40	10	8	*9.0	12.0	51	6	10	*6.0	*9.5	31	11	6	*4.5	*7.5	30	27	7	*1.5	*2.5
08	40	3	8	*3.5	6.0	43	8	6	*11.0	*15.5	29	12	3	*3.5	*6.0	29	28	6	*4.5	*6.5
09	*40			*5.0	6.0	*39			*6.0	*10.0	*27			*5.5	*8.0	29	24	9	*2.5	*6.5
10	40	9	6	*2.0	4.0	36	7	3	*7.0	*10.0	27	13	6	3.0	5.0	32	25	11	*5.0	*7.0
11	40	6	5	1.0	3.0	41	2	8	*2.0	*6.0	27	11	6	*1.5	*3.5	31	25	8	*1.5	*3.5
12	42	2	6	2.0	4.0	41	2	4	2.5	3.5	27	13	4	4.0	4.0	33	25	8	*2.5	*4.5
13	42	2	6	1.5	4.0	41	2	6	2.0	4.0	27	12	4	2.5	4.5	34	29	7	*4.0	*5.0
14	42	14	6	2.5	4.0	41	4	6	2.0	4.0	28	10	5	3.0	4.0	33	35	6	*2.0	*4.0
15	42	4	6	2.0	4.0	43	2	6	*2.0	*6.0	31	11	6	2.5	5.0	33	36	6	2.0	4.0
16	42	8	6	1.5	4.0	45	4	8	*4.0	*5.0	33	11	4	*2.0	*4.0	34	31	5	*2.5	*5.0
17	46	12	8	2.0	4.0	53	9	6	*6.0	*11.0	35	15	4	4.0	7.0	35	42	6	2.5	5.5
18	50	11	6	4.0	6.0	59	5	4	*7.0	*11.0	37	17	8	*3.5	*6.0	35	30	6	3.5	7.0
19	53	11	7	4.0	8.0	57	8	6	*7.5	*3.0	37	13	6	*6.0	*11.0	34	6	5	1.5	5.5
20	54	12	6	6.0	9.5	59	6	6	*6.0	*10.0	37	13	3	4.5	7.5	33	8	6	*3.5	*6.0
21	54	14	8	5.5	9.0	57	6	8	*6.0	*10.5	37	12	4	*4.0	*7.5	33	6	6	3.0	5.0
22	56	10	10	5.0	8.0	57	6	6	*5.0	*9.0	37	12	4	*5.0	*9.0	31	7	4	2.0	4.0
23	56	12	8	5.0	7.0	59	4	6	*6.5	*11.0	36	9	5	*5.0	*9.0	29	4	4	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 48.5 W Month July 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	124	9	7	7.5	12.5	114	10	16	7.5	12.5	97	13	10	6.5	12.0	85	10	10	5.0	10.0	57	14	10	4.0	7.5	60	4	6	*8.5	*9.0	43	7	5	6.0	10.0	24	10	2	2.0	4.5
01	125	7	9	8.0	14.0	114	9	16	5.5	12.0	99	12	10	7.5	13.0	80	14	6	5.0	10.0	59	12	12	5.0	9.0	56	7	4	5.5	10.0	42	8	6	5.5	10.5	24	4	2	2.5	5.5
02	125	9	7	8.0	14.5	112	10	12	7.5	12.5	93	17	7	6.0	12.0	79	16	6	5.5	10.5	55	14	8	5.0	9.0	52	10	10	5.0	10.5	42	8	6	6.5	11.0	24	6	2	2.0	4.0
03	124	10	6	9.0	15.0	110	14	8	7.0	13.0	93	17	8	7.0	12.5	79	14	8	6.0	11.5	55	16	10	5.5	10.5	52	10	8	6.0	11.0	40	10	6	6.0	9.0	24	2	2	2.0	3.5
04	124	11	4	10.0	15.5	110	15	10	7.0	12.5	91	19	5	6.5	12.5	77	20	6	5.0	11.0	55	16	12	5.5	9.0	50	12	8	7.0	11.0	38	4	4	5.0	8.0	23	2	1	1.5	2.5
05	124	11	6	*10.0	*16.5	110	12	10	7.5	12.5	91	16	6	6.0	12.5	81	14	10	*5.5	*12.5	53	14	10	5.5	10.5	49	13	7	6.0	11.5	34	11	4	5.0	8.0	22	2	0	1.5	3.0
06	124	10	4	*10.5	*16.0	108	16	10	8.0	13.5	87	12	9	6.0	12.0	75	4	4	*5.0	*9.5	51	16	8	6.5	9.5	50	14	4	6.0	10.5	36	11	4	4.0	7.5	26	29	5	2.0	3.5
07	114	14	4	12.0	18.5	96	18	6	7.0	12.0	82	9	9	5.5	11.0	79	7	6	*6.5	*11.0	41	16	8	6.0	8.5	52	6	5	*7.5	*13.0	40	8	6	3.0	6.5	26	30	4	*2.5	*4.5
08	116	12	13	13.0	20.5	96	16	5	*8.0	*13.5	81	12	8	*9.5	*15.0	*78					39	13	7	5.5	7.5	43	9	8	*6.0	*9.5	43	3	11	*6.5	*10.0	*24			*5.0	*7.5
09	*109			*12.5	17.0	95	13	3	*7.0	*12.0	79	10	8	*3.5	*6.5	77	6	3	*5.5	*10.0	*37			*3.0	*5.0	*36			*6.0	*9.0	34	9	4	5.5	6.0	24	18	6	*5.0	*7.5
10	112	11	10	14.0	20.0	96	11	6	3.0	9.0	78	10	8	*7.5	*10.5	80	4	3	*5.5	*9.0	35	4	4	2.0	4.0	33	7	4	*5.0	*7.5	32	8	6	4.5	6.5	26	12	6	4.0	6.5
11	110	14	10	14.5	20.0	94	11	3	5.0	8.5	75	11	4	*6.0	*10.0	75	5	7	*6.5	*10.0	37	3	5	2.5	4.5	32	6	4	4.5	6.0	34	6	6	*5.0	*7.5	28	29	9	4.0	7.5
12	110	14	8	15.0	19.0	98	12	8	5.0	7.5	75	14	4	*3.5	*6.0	77	7	8	*6.5	*11.0	37	5	2	2.5	3.5	34	4	4	*3.0	*6.0	34	4	4	3.5	5.0	24	31	2	3.5	5.5
13	109	13	7	13.0	15.0	98	12	8	4.0	8.0	76	11	5	*3.5	*6.0	79	6	2	*6.0	*12.0	39	2	4	3.0	5.0	36	2	4	4.0	7.0	36	4	6	5.0	7.5	26	33	4	3.0	5.0
14	112	8	12	13.0	18.0	94	14	4	3.5	7.5	73	14	2	*4.5	*7.5	79	5	8	*7.5	*15.0	39	6	2	3.0	4.5	38	2	6	4.0	7.0	36	6	6	5.5	8.0	28	40	2	2.5	5.5
15	112	11	10	11.5	17.5	95	17	5	3.0	7.0	75	14	4	5.0	7.5	77	4	4	*3.0	*6.0	39	2	4	2.5	4.5	38	3	4	4.0	6.0	40	4	6	*5.0	*8.0	32	39	5	2.5	5.0
16	112	12	12	10.5	16.0	93	17	3	3.5	7.5	75	17	5	*5.0	*7.0	77	8	2	*5.5	*10.0	39	6	4	4.5	7.0	40	8	4	*2.5	*5.0	40	6	0	3.0	6.0	38	33	7	4.0	6.0
17	113	11	11	9.0	12.5	94	18	4	2.5	7.5	77	16	8	*7.5	*12.0	77	8	4	5.0	8.0	42	11	5	3.5	5.5	50	8	8	7.5	12.0	46	8	6	5.5	10.0	34	40	8	*4.0	*7.5
18	114	14	10	8.5	16.0	106	12	14	7.0	12.5	86	15	11	*6.0	*12.0	79	11	4	*5.0	*10.0	49	16	8	5.0	8.0	58	9	6	6.0	9.0	46	10	6	4.5	7.5	35	22	5	2.5	6.0
19	118	12	8	8.5	14.5	106	14	12	6.0	11.0	89	16	12	10.5	16.0	79	14	6	4.5	8.0	54	13	9	5.0	8.0	58	8	7	*5.0	*9.5	50	5	8	5.5	9.0	34	14	6	2.5	6.0
20	120	12	8	7.5	13.5	108	12	12	6.0	12.0	89	18	12	6.0	15.0	87	12	2	5.0	8.0	55	12	8	5.0	7.5	60	8	8	6.0	10.0	48	6	5	5.0	7.5	32	10	3	3.5	7.5
21	124	8	10	9.0	15.0	110	10	14	6.5	10.0	93	14	10	6.5	14.0	81	14	4	*5.0	*10.5	57	12	10	4.5	7.5	59	6	7	6.0	10.0	48	4	8	5.0	8.5	32	5	8	4.0	7.0
22	122	10	8	7.5	13.0	110	10	14	6.0	10.0	93	16	8	6.5	13.0	83	12	4	5.0	11.5	57	12	10	3.5	6.0	62	7	5	5.5	9.5	47	7	6	6.0	9.5	30	10	6	3.5	7.5
23	124	10	8	7.0	12.5	112	10	16	6.0	12.0	97	14	12	6.0	12.5	85	10	6	5.0	7.5	57	14	10	4.0	8.0	62	6	6	*4.5	*9.0	46	5	8	5.5	10.0	30	8	6	4.5	7.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 48.5 W Month August 19 59

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	125	18	4	8.5	12.5	112	17	10	*3.5	*5.5	95	20	1	3.5	8.0	83	15	4	*3.5	*7.0	57	10	8	6.0	8.0	59	15	5	*5.0	*10.0	41	12	6	*6.5	*10.0	25	5	2	4.0	5.0
01	125	18	4	8.0	14.0	111	22	8	4.5	9.5	98	19	6	5.0	8.0	84	11	9	5.0	7.5	55	18	6	7.0	8.5	51	14	10	5.5	10.0	42	11	8	6.0	10.0	25	7	2	3.0	5.0
02	127	18	6	7.5	11.5	114	19	11	5.0	10.0	100	19	9	5.0	9.0	84	21	6	*4.5	*8.0	55	20	8	7.0	11.5	53	14	10	6.0	9.0	42	9	12	5.5	8.5	23	6	0	2.0	4.0
03	126	19	5	8.0	15.0	114	16	13	4.5	10.0	97	19	8	*4.5	*8.5	83	19	6	*3.0	*6.0	59	14	12	5.5	10.0	51	14	6	5.0	8.0	39	12	9	5.0	7.5	23	2	1	2.0	4.0
04	127	18	8	8.5	15.0	114	16	12	3.5	7.5	98	21	10	6.0	12.5	83	19	10	5.5	11.5	59	16	11	6.0	11.5	51	16	7	6.0	10.0	38	5	10	4.0	7.5	23	4	0	2.0	3.5
05	127	18	10	9.5	15.5	112	21	12	*4.0	*8.0	96	21	12	*6.5	*10.5	79	21	6	*5.5	*10.5	59	17	11	5.5	9.5	51	14	8	5.5	10.0	36	8	8	4.0	7.0	23	2	2	1.5	3.5
06	125	13	4	10.0	17.5	104	20	8	*6.0	*10.0	78	22	6	*6.0	*11.5	77	21	8	*5.0	*10.0	56	16	11	7.5	11.0	57	7	13	5.5	10.0	40	5	12	6.0	8.0	27	15	5	*3.5	*5.0
07	120	21	9	10.0	17.5	100	28	8	*4.5	*10.5	85	24	11	*6.0	*10.5	71	17	6	*2.5	*3.5	45	17	12	5.5	8.5	49	14	5	7.5	12.0	38	11	10	5.0	7.5	29	22	8	4.0	5.0
08	121	20	18	10.0	15.0	100	31	8	*5.5	*9.5	77	35	5	*5.5	*11.0	*74			*5.0	*8.5	38	22	6	7.0	10.0	41	18	10	*6.0	*7.5	38	10	10	*6.0	*7.5	*27			*5.0	*6.0
09	*119			*10.0	*160	*98					*78					*71					*35			*2.5	*5.0	*34			*6.0	*8.5	*26			*2.5	*5.0	27	6	6	*7.0	*7.5
10	117	24	16	*8.5	*14.0	98	9	4	*7.5	*10.0	76	16	4	*5.0	*8.0	75	6	2	*7.0	*12.5	*37			*4.0	*6.5	35	4	8	*2.5	*3.5	32	8	6	*3.0	*5.0	27	12	6	*5.5	*8.0
11	117	15	18	8.0	15.0	98	11	4	*6.0	*10.0	76	11	4	*4.5	*8.0	71	7	4			35	10	3	*3.5	*5.5	32	8	4	*4.0	*6.5	30	7	8	*5.0	*7.5	27	26	7	*4.5	*6.5
12	115	15	14	11.0	17.5	96	19	2	*5.0	*9.5	74	18	4	*5.0	*8.0	73	4	4	*5.5	*10.0	37	3	8	3.0	7.0	33	6	6	*5.0	*8.5	31	5	9	*5.0	7.0	29	26	7	*5.5	*8.5
13	114	15	11	10.5	16.0	96	16	2	*7.0	*10.5	80	15	10	*8.0	*12.0	73	13	6	*4.5	*8.5	37	5	6	*5.0	*7.5	37	6	12	7.0	7.5	32	4	10	60.	8.0	27	26	4	*5.0	*7.0
14	117	16	8	8.5	15.0	96	12	2	5.0	8.5	78	15	8	*8.0	*12.5	75	9	4	*8.0	*15.0	41	10	8	*5.0	*7.5	37	5	12	*5.0	*10.0	30	8	6	5.0	7.5	33	32	6	*5.0	*7.5
15	119	12	4	7.5	11.5	96	14	2	5.0	8.0	78	8	8	*7.5	*10.5	74	5	3			39	6	10	*5.5	*7.5	37	4	9	4.0	9.5	35	5	5	*3.0	*6.0	31	32	4	*4.0	*7.0
16	121	15	10	6.0	12.0	96	14	4	4.0	8.0	82	14	10	*6.0	*10.0	75	9	8	*5.5	*11.0	39	5	7	*4.0	*7.5	39	6	6	5.0	6.0	36	9	5	*4.0	*7.5	31	14	3	*4.0	*6.5
17	120	18	5	7.5	12.5	96	14	2	5.5	9.0	82	15	8	*5.0	*9.5	73	12	4	*7.5	*13.0	39	8	4	5.0	7.0	47	7	5	*7.0	*11.0	40	6	8	4.5	7.5	31	28	2	3.0	3.0
18	119	14	4	8.5	12.5	100	20	4	*6.0	*10.0	88	10	8	*5.0	*9.5	77	9	2	*5.5	*10.0	49	10	9	6.0	10.0	59	6	9	*7.0	*12.0	44	6	7	4.5	7.5	33	35	6	*4.0	*5.5
19	125	15	6	9.0	15.0	106	16	4	5.0	12.5	90	15	2	5.5	10.0	83	8	8	5.5	9.5	57	11	8	4.0	7.5	57	10	4	*10.0	*14.0	46	8	6	*5.0	*7.5	31	26	6	*3.0	*5.5
20	125	14	4	7.5	13.5	106	17	4	5.0	9.5	93	14	5	*4.5	*7.5	83	8	4	5.0	5.5	57	15	4	3.0	7.5	61	6	6	*5.0	*7.5	48	6	10	4.0	7.5	31	8	5	*4.0	*6.0
21	125	14	4	6.5	10.0	110	18	8	*5.0	*10.0	94	12	4	5.0	8.5	83	9	6	*4.5	*9.0	59	11	7	5.0	9.0	59	2	4	*5.5	*10.0	44	8	4	5.0	7.5	29	8	4	3.0	5.5
22	125	16	4	6.0	12.0	108	20	6	4.5	7.5	96	16	6	5.0	8.0	83	14	4	3.0	6.0	59	13	15	5.0	8.5	61	6	6	*5.0	*10.0	44	8	7	4.0	7.5	29	13	3	3.5	5.5
23	125	16	4	5.5	10.0	110	18	8	5.5	9.0	98	18	8	7.0	12.5	85	14	6	*2.5	*5.5	57	8	6	4.5	7.5	59	7	10	*7.0	*11.5	44	11	8	5.0	8.0	27	10	3	4.0	6.5

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month June 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	160	5	2			141	6	3			120	5	4			94	4	6			63	4	4			57	4	2			48	2	4			28	10	2		
01	160	6	2			140	5	2			120	3	4			92	6	4			63	4	7			57	4	4			48	2	4			26	2	2		
02	160	6	2			140	8	3			120	4	5			92	8	6			61	6	5			57	4	4			46	4	2			24	3	2		
03	160	5	2			140	5	3			119	6	5			91	7	5			61	4	5			57	4	4			46	5	4			24	5	2		
04	160	6	2			140	6	4			118	6	7			90	8	8			59	6	4			57	4	5			44	5	4			22	4	0		
05	160	6	3			138	8	4			114	8	10			80	10	12			59	7	6			55	6	6			44	3	5			22	2	0		
06	158	6	0			131	9	5			106	14	12			72	18	16			53	7	8			49	7	6			42	4	2			25	3	3		
07	158	9	3			132	9	9			106	13	17			71	19	13			44	13	16			43	6	10			38	7	5			24	8	2		
08	*160					*134					*110					*64					*40					*39					*37					*23				
09	159	3	5			130	5	6			102	7	11			66	12	11			31	8	8			31	6	6			30	4	8			24	12	4		
10	158	6	4			130	10	6			100	21	12			68	22	12			32	7	5			33	8	6			28	9	8			24	6	6		
11	158	6	4			130	10	4			102	12	10			70	17	13			33	15	8			30	9	7			28	9	6			22	4	2		
12	158	6	2			132	6	4			106	12	13			74	19	12			29	19	8			29	19	6			28	10	4			24	6	4		
13	160	5	4			134	7	6			106	15	11			82	12	24			32	25	7			31	14	5			30	8	6			22	9	2		
14	162	4	4			136	6	6			114	10	18			88	13	24			39	12	12			35	8	6			36	5	7			24	6	2		
15	164	5	4			138	9	6			113	9	14			90	14	20			41	18	10			41	11	8			38	9	5			26	5	4		
16	164	3	4			140	5	6			114	10	12			89	9	17			48	15	16			47	7	9			42	6	4			28	3	4		
17	162	4	2			138	7	6			114	9	14			87	15	11			51	12	5			51	5	4			46	4	2			28	5	3		
18	162	6	4			138	9	6			116	9	7			96	6	10			59	7	5			57	3	4			48	4	2			26	11	2		
19	162	6	4			140	9	5			118	8	4			94	4	4			67	2	6			63	5	2			52	2	4			26	5	4		
20	160	10	2			140	10	2			118	13	4			94	7	6			67	4	6			69	4	5			52	6	2			28	13	3		
21	160	8	2			140	10	3			118	11	4			93	11	7			65	6	4			63	11	4			52	9	4			29	8	3		
22	160	9	2			140	8	2			118	8	3			92	10	2			63	9	4			61	6	4			50	3	2			30	11	3		
23	160	6	2			141	6	4			120	6	4			94	4	6			63	4	5			59	4	4			48	2	2			30	14	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month July 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	6	2			139	4	4			120	5	5			95	5	5			64	6	6			55	6	4			46	2	2			28	5	2		
01	158	6	2			139	5	4			121	4	5			96	4	6			62	8	2			53	5	2			44	3	2			28	4	4		
02	160	4	4			141	4	6			123	4	6			96	6	5			62	7	5			55	3	4			44	2	4			26	3	2		
03	160	5	2			141	6	5			123	5	8			96	6	7			63	7	4			55	4	4			42	7	2			25	2	1		
04	160	6	4			142	5	7			123	6	9			94	6	6			62	5	5			55	5	6			40	6	4			24	2	1		
05	162	3	6			143	3	9			121	7	9			90	10	11			62	7	4			55	4	7			42	9	6			24	3	2		
06	160	4	4			137	8	8			117	8	17			88	13	20			56	8	9			51	6	7			42	4	4			24	7	2		
07	160	6	6			137	8	11			117	8	23			85	15	27			52	12	13			47	6	10			40	3	7			26	6	4		
08	158	4	4			134	9	9			114	11	19			78	21	17			39	22	11			41	14	10			36	10	6			24	13	2		
09	158	6	6			133	12	11			111	18	22			78	28	16			37	26	9			35	12	12			32	8	8			24	12	4		
10	158	8	6			131	17	8			109	18	19			82	22	24			38	33	8			35	26	8			26	6	2			23	15	3		
11	158	6	4			133	10	9			111	14	20			88	16	27			47	18	21			39	11	16			32	8	10			22	7	2		
12	158	6	4			133	11	10			113	17	20			86	21	22			44	22	20			31	25	9			30	16	8			24	9	4		
13	160	8	6			134	15	8			113	18	16			86	22	22			50	21	20			35	24	10			30	17	6			24	10	3		
14	162	5	4			139	16	10			119	9	22			94	12	23			46	25	20			41	14	15			34	10	5			26	7	4		
15	162	5	4			137	10	10			117	12	14			92	12	25			55	17	27			42	17	11			38	8	6			26	5	3		
16	162	4	4			138	8	11			116	10	15			90	12	22			52	18	20			48	9	11			40	6	2			28	3	3		
17	161	5	3			137	9	9			115	8	14			88	13	15			54	12	7			51	6	6			46	4	3			28	7	2		
18	160	2	4			135	5	5			116	5	5			94	4	5			62	5	6			57	4	2			48	4	2			28	3	2		
19	158	4	2			139	2	6			118	6	4			94	6	6			66	4	4			61	6	2			52	5	4			26	5	2		
20	158	4	2			137	5	4			119	4	5			94	4	6			65	5	3			66	4	5			52	8	4			28	3	2		
21	158	4	2			136	2	4			119	5	4			94	7	6			65	5	2			62	6	5			52	4	4			28	4	2		
22	158	5	2			136	5	4			119	6	4			94	6	4			66	3	6			59	3	4			46	3	0			30	2	2		
23	158	4	4			136	5	4			120	5	3			94	6	4			65	5	5			57	4	3			46	2	2			30	3	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month August 19 59

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	4	2			139	5	4			121	4	4			95	4	5			62	6	6			55	4	4			46	2	4			30	4	2		
01	159	6	3			139	6	4			121	7	5			95	4	6			60	8	4			55	5	5			46	2	4			28	5	1		
02	160	4	4			139	6	4			121	6	4			95	5	4			60	4	5			55	5	4			44	2	7			26	4	0		
03	160	4	4			141	4	4			121	5	4			95	3	6			62	3	6			55	4	3			44	2	7			26	4	2		
04	160	5	4			141	4	4			121	4	8			93	7	9			62	4	7			57	2	6			40	4	2			24	8	0		
05	160	6	3			141	5	7			121	6	12			87	11	13			62	5	7			57	3	10			40	6	4			24	2	0		
06	160	2	2			134	8	7			113	9	16			85	13	19			54	8	5			52	3	5			42	5	2			26	3	2		
07	160	4	5			135	9	9			113	12	13			79	19	12			44	16	9			45	6	11			40	4	4			28	2	4		
08	159	5	5			133	6	7			111	8	13			79	16	12			39	21	7			37	10	10			36	5	7			26	4	4		
09	158	4	4			133	5	10			107	15	15			75	27	11			37	24	10			31	16	6			32	8	7			24	11	2		
10	158	4	6			131	10	7			103	18	9			75	26	12			34	22	4			31	17	6			30	11	8			26	8	4		
11	158	5	5			131	11	8			105	16	12			75	26	9			36	18	7			29	16	6			32	5	12			24	8	2		
12	158	4	4			133	7	8			108	13	10			83	22	16			40	20	12			31	22	6			32	10	9			28	8	4		
13	160	4	5			133	13	7			111	22	14			85	24	14			44	22	15			33	22	8			32	9	10			26	7	4		
14	160	6	4			137	10	8			117	12	14			93	16	16			44	24	12			37	17	8			36	8	6			28	8	4		
15	162	8	4			137	11	8			115	16	8			89	18	9			52	26	18			41	21	9			38	9	4			28	11	2		
16	162	4	4			137	9	7			115	10	15			91	14	13			53	24	15			47	6	8			40	4	3			28	4	2		
17	160	8	2			135	10	5			113	12	12			87	14	12			54	18	8			49	7	3			44	3	2			28	4	2		
18	158	7	3			135	10	6			117	6	8			93	6	7			58	8	6			57	2	3			48	4	2			26	4	2		
19	158	6	2			137	6	4			119	6	6			95	6	7			64	6	6			61	4	3			48	8	4			26	4	2		
20	157	5	1			137	6	4			119	5	6			95	5	7			64	4	6			61	6	3			50	6	4			28	3	0		
21	158	3	3			137	4	4			119	4	6			95	4	8			64	4	5			59	8	3			48	5	0			30	2	2		
22	158	4	4			137	6	4			119	5	4			93	8	4			62	7	4			57	4	3			48	6	2			32	2	3		
23	158	6	2			137	6	3			119	5	4			93	6	4			62	8	5			55	5	4			46	3	2			30	6	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month June 19 59

Hour (LST)	Frequency (Mc) .051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	124	2	4			110	2	4			87	2	2			72	3	2			57	8	3			48	6	2			25	5	4			28	3	5		
01	124	2	4			109	3	3			87	2	4			72	4	4			59	8	6			50	2	5			23	4	2			28	3	5		
02	124	2	4			108	4	2			87	0	4			70	6	1			59	6	6			49	3	3			22	5	3			27	4	4		
03	124	4	2			110	2	4			87	2	4			70	6	1			59	7	5			49	3	5			23	3	4			27	4	2		
04	124	2	2			110	2	4			87	2	2			71	5	2			60	6	8			48	4	2			23	3	4			29	2	4		
05	122	4	2			110	2	3			87	2	4			72	4	4			61	4	6			48	6	4			23	4	6			29	4	4		
06	122	2	2			110	2	4			85	4	2			70	6	2			61	4	6			48	4	2			23	2	6			28	3	3		
07	123	4	2			110	2	4			87	2	4			70	6	0			58	5	7			48	4	4			21	6	4			27	3	2		
08	122	4	2			110	2	2			87	3	4			71	5	3			*57					48	4	2			23	4	6			29	2	4		
09	122	4	2			110	2	4			87	0	4			72	4	3			*59					50	2	4			23	4	4			29	4	4		
10	122	4	2			110	2	3			87	2	2			72	4	3			59	4	6			48	6	2			23	2	6			29	4	4		
11	122	4	2			110	2	4			87	2	4			72	4	4			59	7	5			50	2	5			21	4	4			27	6	2		
12	122	4	2			110	2	4			87	2	4			72	6	2			59	6	6			48	4	2			23	2	6			29	3	4		
13	124	2	4			110	0	4			87	2	4			72	6	2			*61					48	4	2			23	4	6			27	4	2		
14	124	2	4			110	2	4			87	2	2			72	5	3			59	6	6			50	2	4			23	2	4			27	2	2		
15	122	4	2			110	2	4			87	2	2			72	6	4			*61					48	4	2			23	4	4			27	2	2		
16	122	4	2			109	3	2			87	0	4			72	4	2			*59					48	4	2			23	4	4			27	4	4		
17	122	2	2			110	2	4			87	2	2			72	4	2			59	6	6			50	2	4			24	4	5			27	4	2		
18	122	2	2			109	3	2			85	2	0			72	4	4			58	5	4			48	6	4			23	4	4			28	3	3		
19	122	2	2			110	2	4			87	2	4			72	4	4			59	7	4			49	5	3			25	4	6			27	4	2		
20	122	2	2			108	4	3			87	2	3			72	4	4			58	7	5			50	2	4			25	4	6			28	3	3		
21	122	2	2			110	2	3			87	2	4			72	4	4			62	5	10			50	4	4			25	4	6			27	4	4		
22	122	2	2			108	4	1			87	2	4			72	5	3			61	6	6			48	6	2			27	3	6			27	6	2		
23	124	2	2			110	2	4			87	2	4			72	4	4			59	7	7			50	2	4			25	4	4			27	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month July 1959

Hour (LST)	Frequency (Mc)																																							
	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^{*}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	118	5	4			112	2	4			82	2	6			75	2	2			54					50					25					27	6	6		
01	120	4	5			112	2	4			82	2	4			75	2	8			52					48					29					29	3	8		
02	118	6	3			112	2	4			82	3	3			75	2	8			54					46					25					27	5	6		
03	118	7	4			112	2	4			82	2	4			75	2	7			54					49					27					29	6	5		
04	118	5	4			112	2	4			82	4	6			76	1	7			54					53					23					27	8	4		
05	118	4	5			112	2	2			82	2	6			75	2	6			54					46					23					27	6	4		
06	118	5	5			112	2	4			82	2	6			*75					55					56					21					29	2	8		
07	118	6	4			*112					82	6	4			*75					57					52					23					29	6	7		
08	118	4	4			*112					83	3	7			*75					56					54					21					29	8	8		
09	118	6	4			112	2	4			82	4	4			75	2	8			54					55					23					29	8	8		
10	118	5	4			112	2	4			82	5	6			73	4	8			54					56					23					27	7	7		
11	116	6	2			*111					*81					73	4	10			50					52					21					*30				
12	118	4	4			*112					82	4	8			75	2	9			54					56					23					27	4	8		
13	118	5	3			112	2	2			82	4	4			75	2	6			54					54					23					27	4	7		
14	118	4	2			112	4	4			83	1	5			75	2	8			50					54					21					27	5	5		
15	118	6	2			112	2	2			82	4	6			75	2	4			56					55					21					27	6	4		
16	118	4	2			112	2	3			82	2	5			75	2	4			54					55					22					29	5	7		
17	118	4	2			112	2	2			82	2	3			75	2	3			52					56					23					27	5	4		
18	120	2	4			112	2	3			82	3	5			75	2	5			56					53					23					27	5	6		
19	118	4	2			112	2	4			82	3	4			76	1	6			54					56					26					27	6	6		
20	118	4	4			112	2	4			82	4	4			75	2	8			53					54					29					27	5	8		
21	118	6	2			112	2	4			82	4	4			75	2	4			55					50					29					27	5	5		
22	118	4	4			110	2	2			84	1	5			75	3	5			57					55					27					25	7	6		
23	118	5	4			112	2	4			82	5	6			77	2	7			54					56					27					27	6	7		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month August 19 59

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	119	4	4			104	4	6			80	6	4			67	9	3			63	4	10			53	7	8			28	6	5			23	3	4		
01	119	4	4			*103					80	7	2			70	5	7			61	4	8			56	5	9			26	6	4			23	3	2		
02	119	4	4			*104					80	6	2			67	8	2			61	6	6			53	6	7			27	5	3			21	6	2		
03	117	5	3			*103					80	4	4			69	5	5			63	3	9			53	6	8			26	5	3			23	2	4		
04	117	6	5			*104					80	5	4			69	6	5			63	4	8			53	6	6			24	8	2			23	4	4		
05	117	4	4			*102					82	4	6			69	6	6			63	4	6			51	8	6			26	8	4			23	4	2		
06	115	6	2			*102					*82					67	8	4			63	4	8			53	8	8			26	6	3			23	5	3		
07	117	4	6			*102					*82					*69					*59					*55					*26					*25				
08	*119					*104					*82					69	6	4			*60					*51					*28					*25				
09	117	4	4			*102					82	2	4			67	4	4			*63					*53					*28					24	3	3		
10	117	4	5			*103					80	4	2			67	3	2			*61					*53					*27					23	2	3		
11	115	7	2			102	6	4			82	2	4			67	4	2			*63					*53					*29					21	6	2		
12	115	7	2			102	4	2			80	2	4			69	4	4			*63					*53					*28					23	6	4		
13	117	4	5			*102					*81					67	6	2			*57					*49					*26					23	4	4		
14	117	6	4			*104					80	4	4			67	10	4			*63					*52					*29					23	5	4		
15	117	6	2			102	4	2			80	6	4			69	8	4			*63					*54					28	5	5			23	6	3		
16	117	4	2			102	8	2			80	4	4			68	6	3			*63					54	6	9			27	7	5			23	4	4		
17	117	6	4			102	8	2			80	4	2			67	6	4			*63					53	8	6			28	5	6			23	5	5		
18	117	6	4			102	4	2			80	6	2			69	6	4			*63					53	6	8			28	5	4			23	4	4		
19	117	4	4			*102					80	4	2			67	8	2			*63					55	4	9			28	6	4			23	4	4		
20	117	6	4			*102					80	8	4			69	3	4			*61					55	5	2			29	5	5			21	6	2		
21	119	5	4			*102					80	6	4			67	10	3			62	3	7			57	5	6			29	6	6			23	4	4		
22	119	6	5			*102					80	6	4			67	10	4			61	6	6			54	6	4			28	4	4			21	4	2		
23	119	4	4			*100					80	7	4			67	10	4			61	4	6			55	5	5			28	5	5			23	2	4		

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Summer(June July Aug.) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	146	6	5	10.5	16.5	145	7	8	13.0	22.0	141	9	9	16.0	25.5	142	10	7	12.5	20.0	142	8	6	10.0	16.5	143	6	4	9.0	15.0
.113	133	6	6	9.5	16.0	132	8	10	13.0	22.0	127	11	12	16.5	27.5	129	12	11	15.0	21.0	129	9	8	11.5	18.5	130	7	5	8.0	13.5
.246	116	7	7	9.5	16.5	115	9	13	12.5	23.0	110	11	16	15.0	26.5	114	12	16	15.5	26.0	112	11	10	12.0	19.5	114	7	7	8.0	13.5
2.5	68	4	6	6.0	11.0	63	9	9	8.0	15.5	47	17	20	10.5	18.5	52	22	21	11.0	20.0	58	14	14	8.5	15.0	67	5	7	5.0	10.0
5	60	3	5	5.0	9.5	56	7	6	7.0	12.5	38	15	14	11.5	18.0	42	21	16	10.5	17.5	53	9	8	6.0	10.5	61	3	5	4.0	8.0
10	45	3	4	5.0	9.5	42	6	5	6.5	11.5	30	8	7	9.0	15.0	34	14	8	8.5	14.0	44	5	4	5.0	9.0	46	3	4	4.5	8.0
20	29	6	4	4.0	6.5	27	8	4	3.5	5.5	26	7	3	4.0	7.0	31	11	6	4.5	6.0	32	6	3	3.5	6.5	30	4	4	4.0	7.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Summer(June July Aug.) 19 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	140	6	5			132	2	5			132	5	6			140	8	4			142	7	6			142	6	5		
.113	121	8	9			112	10	11			110	11	8			122	10	9			126	8	9			124	10	7		
.246	109	7	7			97	11	16			95	13	16			108	15	11			115	11	12			112	10	8		
.495	93	9	6			74	16	9			72	18	7			93	19	18			98	14	20			96	12	8		
2.5	71	6	7			44	11	10			23	19	5			44	26	22			57	17	16			73	6	7		
5	62	6	5			45	8	9			24	9	8			34	18	12			52	11	10			64	5	5		
10	45	5	5			39	5	5			31	4	7			36	9	6			47	5	4			49	4	4		
20	25	6	2			25	5	4			26	4	5			28	9	4			31	6	6			35	6	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Summer (June July Aug.) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
** .013	163	4	3	10.5	18.0	161	3	2	13.0	20.0	162	4	3	12.0	19.5	169	3	2	7.5	13.0	168	4	2	7.0	12.0	166	3	4	9.0	15.5
.051	139	4	4	8.0	15.0	131	5	5	7.0	18.0	132	6	5	10.5	17.5	143	8	6	7.5	12.5	144	5	7	9.0	11.5	142	4	5	6.5	12.0
** .160	116	7	6	7.5	14.0	105	8	13	11.5	20.0	103	9	7	11.5	19.5	122	10	12	8.0	14.5	124	6	11	7.5	13.0	120	6	10	6.0	12.0
.495	93	6	5	6.5	13.0	71	16	9	6.5	10.5	75	18	14	7.0	12.0	102	11	21	9.0	16.5	100	8	16	7.0	13.5	96	7	11	5.0	10.5
2.5	72	5	5	5.0	9.5	54	5	4	4.0	7.0	49	9	4	2.5	4.5	66	14	16	8.5	14.0	65	11	12	7.0	11.5	74	5	4	4.0	8.5
5	61	4	4	4.5	9.0	47	4	4	4.0	8.0	42	6	3	2.5	5.0	50	14	8	6.5	10.5	56	8	6	4.0	8.0	64	4	4	4.0	8.0
10	47	4	4	5.0	9.0	40	4	5	5.0	8.5	34	6	5	5.0	6.5	43	10	7	5.0	9.5	51	4	5	3.5	7.5	51	3	5	4.5	8.0
20	27	2	2	2.0	3.5	28	3	2	2.0	4.5	29	6	3	3.0	5.0	34	8	5	4.0	7.0	34	8	5	3.5	6.0	29	4	2	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* *No June data.

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Winter (June July Aug.) 19 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	105	4	4			103	2	3			102	3	3			102	3	3			103	4	3			105	5	4		
.113	78	4	4			77	5	3			77	4	4			77	5	3			78	4	4			78	6	3		
.246	65	3	4			64	3	5			65	3	3			64	3	3			64	3	3			64	3	2		
.545	49	6	4			49	6	3			50	6	4			50	5	4			51	4	4			50	4	4		
2.5	24	5	4			24	4	3			22	4	2			24	3	4			23	5	2			24	5	3		
5	27	11	8			23	10	5			22	8	5			29	6	8			31	8	10			30	10	11		
10	22	6	10			18	6	6			19	6	7			22	4	9			22	6	9			24	7	11		
20	20	2	4			19	2	2			20	2	3			20	1	4			20	1	4			20	2	3		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Winter (June July Aug.) 19 59

Frequency (Mc)	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	5	1	7.5	12.0	154	2	2	7.5	12.0	150	3	3	10.0	15.5	150	3	3	11.5	18.0	151	2	3	8.5	14.0	153	3	2	7.5	12.5
.051	125	3	3	8.5	14.5	124	4	3	8.5	14.0	108	7	6	12.5	20.0	110	7	4	12.5	20.0	113	7	6	10.5	17.5	123	4	3	9.0	16.0
.160	100	4	4	7.5	14.0	91	7	6	8.5	14.5	64	14	2	8.0	11.5	66	17	4	8.0	12.0	82	13	8	10.5	19.0	97	6	5	8.5	15.5
.545	78	5	5	7.0	13.5	66	8	7	8.0	12.5	48	5	4	3.0	5.0	47	6	3	4.0	7.0	64	8	5	6.5	12.0	78	6	6	6.5	12.5
2.5	54	6	5	6.0	9.5	47	8	6	6.0	9.0	25	7	4	4.0	5.5	23	5	4	4.0	5.5	37	9	6	8.5	11.5	52	6	4	6.0	10.0
5	49	6	4	6.0	9.0	46	6	4	5.5	8.0	28	5	7	3.5	5.0	27	3	10	3.0	4.5	39	8	5	6.5	10.0	54	7	5	7.0	10.5
10	40	3	4	4.0	6.0	36	5	4	4.0	6.0	24	6	4	4.0	5.5	24	7	5	5.0	7.0	39	4	3	6.0	9.0	42	3	3	4.0	6.5
20	25	0	1	2.5	4.0	24	1	1	2.5	4.0	23	4	2	3.5	5.0	23	5	2	3.5	5.0	27	5	2	3.0	5.0	25	1	1	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Summer (June July ***) 19 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	115	7	6			107	10	8			107	14	9			117	16	15			120	12	15			117	12	7		
.500	84	8	7			70	8	7			68	12	6			83	21	16			87	22	20			84	14	9		
2.5	68	7	4			44	8	6			29	9	3			48	22	14			53	19	16			70	8	8		
5	64	4	3			50	7	5			31	8	4			40	16	9			51	12	10			66	4	4		
10	49	4	5			43	5	4			35	5	3			39	8	5			47	5	4			52	4	5		
20	24	1	1			23	2	1			23	2	1			26	4	2			28	4	3			26	2	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

***No data for August.

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Summer (June July Aug.) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000-0400 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	0400-0800 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	0800-1200 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	1200-1600 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	1600-2000 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	2000-2400 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	123	7	5	10.5	15.5	118	8	7	13.5	18.0	122	6	6	11.5	15.5	130	5	5	9.0	14.0	127	7	5	9.5	14.5	126	6	6	9.5	14.5
** .246	84	11	8	10.0	15.5	78	17	11	9.0	13.5																				
.545	68	14	8	8.0	11.5	54	18	5	5.5	8.5	57	14	7	6.0	9.0	66	19	14	9.0	14.0	63	16	9	6.0	9.5	78	8	9	5.5	10.5
2.5	56	6	8	7.0	11.0	31	12	6	4.5	7.5	26	10	5	5.0	7.0	31	17	7	5.5	8.0	42	8	8	3.0	5.0	57	7	8	5.0	8.0
5	54	6	6	5.5	9.0	35	10	7	7.5	10.5	26	13	8	6.5	8.5	31	10	10	5.5	8.0	43	9	10	5.0	9.0	56	6	6	5.0	8.0
10	44	6	6	5.0	8.0	38	7	8	5.0	6.0	33	6	7	4.5	7.5	40	4	9	5.5	9.0	46	5	6	5.0	8.0	49	5	5	5.0	7.5
20	24	1	3	2.5	4.0	25	3	3	3.0	4.5	25	6	4	3.0	5.0	26	5	5	3.0	5.0	28	4	5	3.0	5.0	26	5	4	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** Interference Kalungborg Broadcast Station from 0800 through 2300.

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Summer (June July ***) 1959

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	140	5	6			132	9	9			127	11	11			135	7	8			141	6	7			141	4	4		
.113	128	5	8			117	11	13			109	15	12			120	10	12			128	8	9			129	5	6		
.246	113	8	8			100	14	16			90	14	16			102	14	13			111	11	12			114	6	8		
.545	95	8	10			76	17	14			68	17	10			83	20	15			93	12	13			98	6	9		
2.5	68	5	10			53	9	12			36	13	8			44	20	10			64	9	12			72	3	9		
5	58	4	8			53	6	10			33	9	11			38	14	8			60	5	7			62	4	8		
10	40	5	8			39	4	8			30	6	10			38	5	7			48	4	4			44	6	7		
20	28	5	2			30	5	3			28	7	4			31	6	3			30	5	2			28	4	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

***No August Data.

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Season Summer (June July Aug.) 1959

TIME BLOCKS (LST)

	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	2	2	9.0	15.0	155	2	2	11.5	18.5	151	3	1	9.5	15.0	152	2	2	8.5	14.0	150	2	2	10.0	16.0	152	2	2	8.5	13.5
.051	128	4	6	11.0	17.5	124	4	4	12.5	19.5	112	7	5	10.0	15.5	113	6	4	10.0	15.5	109	6	4	9.5	14.5	122	4	3	9.0	15.0
.160	102	6	6	11.5	19.0	90	10	7	12.5	19.0	72	16	10	12.5	18.0	69	12	7	11.5	16.5	73	10	5	7.5	12.0	97	6	4	9.0	16.0
.495	76	10	8	12.0	20.0	65	11	7	8.5	14.5	53	9	3	6.0	9.5	52	7	3	5.0	8.0	55	8	4	4.5	7.5	71	10	7	11.0	17.0
2.5	54	7	4	7.0	11.0	49	5	4	7.0	10.0	32	4	2	3.0	4.5	30	3	2	3.0	5.0	33	5	3	2.5	4.5	50	6	4	5.5	9.0
5	61	5	5	5.5	10.0	49	6	4	7.0	11.0	26	4	4	4.5	7.5	26	3	4	3.5	6.0	38	5	4	4.5	7.0	52	3	3	5.5	9.0
10	43	2	3	4.0	7.0	39	3	3	4.0	7.0	23	6	4	5.0	7.0	21	5	4	5.0	7.5	37	2	3	4.0	7.5	42	3	2	4.0	7.5
20	24	3	1	1.5	3.5	23	2	1	1.5	3.0	20	2	1	2.0	3.5	20	3	1	2.0	4.0	26	2	3	2.5	4.5	24	3	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Summer (June July Aug.) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	4	4	10.5	16.0	156	4	4	11.0	17.0	155	5	5	12.0	17.5	157	4	3	11.0	17.5	160	4	3	8.0	13.5	160	3	3	9.0	16.0
.051	134	5	4	9.5	16.0	125	8	7	12.0	19.0	123	8	6	11.0	14.5	127	9	4	9.5	16.5	126	12	5	8.5	14.0	133	6	4	9.0	15.5
.160	111	5	5	8.0	14.0	93	13	11	9.5	14.5	89	14	8	11.0	17.0	92	20	8	10.0	16.0	94	24	10	10.0	16.0	110	7	5	8.5	15.0
.545	77	8	8	8.0	15.0	70	12	5	6.5	11.5	68	13	3	6.5	10.0	72	18	5	6.5	11.5	67	20	6	6.0	10.5	86	7	6	7.0	12.5
2.5	61	6	6	8.0	11.0	46	7	4	8.0	12.5	32	10	3	5.5	8.5	32	19	4	7.0	11.5	45	16	6	8.5	12.5	59	7	7	7.5	13.0
5	58	5	6	6.5	10.5	45	7	6	7.0	10.5	27	8	5	7.5	11.0	31	12	5	8.0	12.0	48	10	7	7.5	12.5	70	8	7	6.5	11.5
10	45	5	4	5.5	9.0	38	6	5	6.0	9.5	25	7	4	4.5	7.0	28	8	5	6.0	8.0	43	4	4	5.0	85	48	4	4	4.0	7.5
20	27	6	3	2.5	4.5	25	5	3	3.0	5.0	24	6	5	2.0	3.5	29	8	8	3.0	6.0	34	8	6	3.0	6.0	31	7	5	2.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Winter (June July Aug.) 19 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	124	9	5			121	11	6			108	18	9			112	13	6			117	10	7			123	8	6		
.113	107	11	6			98	17	8			78	28	7			81	23	8			92	21	11			106	10	7		
.246	94	10	7			81	16	7			62	23	3			61	20	3			72	20	7			90	11	7		
.545	86	10	6			70	9	5			58	2	2			57	3	2			69	11	5			85	8	6		
2.5	58	11	5			51	13	6			41	4	3			43	2	4			48	9	5			58	10	5		
5	46	8	4			44	10	5			27	7	3			26	6	3			42	11	6			47	10	4		
10	30	5	2			31	7	3			24	12	4			24	11	4			38	7	3			34	5	3		
20	24	1	0			24	3	1			23	8	2			24	5	1			28	3	2			25	3	0		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Summer(June *** ***) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130	3	5			121	5	4			118	5	3			126	5	6			127	5	7			130	4	5		
.246	96	10	4			88	4	6			90	2	3			92	7	7			92	11	6			98	5	7		
.545	83	8	4			76	7	9			76	11	12			79	9	15			79	10	13			85	6	6		
2.5	60	6	4			48	7	4			37	8	3			39	7	6			44	8	6			64	4	8		
5	54	4	4			41	6	6			23	7	6			26	7	8			44	4	14			56	4	4		
10	47	5	4			40	4	4			41	8	8			35	6	11			44	4	8			47	6	4		
20	34	10	5			34	10	5			35	8	8			33	9	3			41	6	9			35	10	5		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

***No data for July and August.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Winter (June July Aug.) 1959

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	125	12	7	8.5	14.5	121	14	6	9.0	16.0	114	17	12	10.0	16.0	112	14	9	11.0	16.0	118	13	8	9.0	14.5	124	12	19	7.5	13.0
.113	111	14	11	6.5	12.0	104	17	8	6.0	11.0	96	13	5	5.0	8.5	95	13	4	6.0	8.5	99	14	6	5.0	9.5	108	14	9	6.0	10.5
.246	95	15	8	6.5	12.0	86	16	10	6.0	11.0	76	12	6	5.0	9.0	75	12	5	5.0	8.0	83	13	8	5.5	10.0	92	14	14	6.0	11.5
.545	81	13	6	5.0	10.0	77	13	7	6.0	11.0	76	5	3	6.0	11.0	77	6	5	6.0	11.0	78	9	4	5.0	10.0	84	10	5	4.5	9.0
2.5	56	13	8	5.5	9.0	51	15	9	6.0	9.5	38	9	6	3.5	5.5	40	5	6	3.0	5.0	45	10	7	4.0	7.0	56	12	8	5.0	8.0
5	54	10	7	5.5	9.5	50	11	7	6.0	10.5	37	8	6	5.5	8.5	38	4	7	3.5	6.5	52	7	6	6.0	9.0	60	6	6	5.5	10.0
10	38	9	6	4.5	7.0	34	9	6	4.5	7.0	32	9	7	4.5	6.5	32	7	6	4.0	6.0	41	10	6	4.0	7.5	43	8	6	5.0	8.0
20	25	5	2	2.5	4.5	25	14	3	2.0	3.5	28	20	7	4.5	6.5	30	32	5	3.5	5.5	34	30	5	3.0	6.0	30	8	5	3.5	6.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Summer (June July Aug.) 19 59

	TIME BLOCKS (LST)																													
	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	159	5	3			160	5	4			158	5	5			160	6	4			161	5	3			158	6	2		
.051	140	5	4			138	7	7			132	10	8			135	10	8			137	7	6			138	6	4		
.160	121	5	5			116	8	13			107	14	15			113	14	14			116	8	10			119	6	4		
.545	94	5	5			84	12	14			75	21	15			87	17	19			92	9	11			94	6	5		
2.5	62	6	5			56	8	8			37	19	9			43	21	15			58	11	9			64	5	5		
5	56	4	4			52	5	7			34	13	9			36	18	8			54	5	5			61	5	4		
10	45	3	4			41	5	4			32	8	7			34	10	6			46	4	3			49	5	2		
20	26	4	2			24	4	2			24	9	3			26	8	3			27	5	2			29	6	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Summer (June July Aug.) 19 59

Frequency (Mc)	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	120	4	4			119	4	4			119	5	3			119	4	3			119	4	3			120	4	3		
.113	108	3	4			108	2	4			108	3	4			108	2	3			108	3	3			107	2	3		
.246	83	3	4			83	3	4			84	3	3			83	3	4			83	3	3			83	4	4		
.545	71	4	4			72	5	4			71	4	5			72	5	4			72	4	4			72	5	4		
2.5	58	6	7			59	4	7			58	6	6			58	6	6			58	6	5			59	5	7		
5	56	5	6			51	6	5			52	4	3			52	4	3			52	5	4			53	4	4		
10	26	5	4			24	5	4			24	4	5			24	3	5			25	5	5			27	4	5		
20	26	4	4			26	4	4			27	5	4			26	4	4			26	4	4			25	5	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

U.S. DEPARTMENT OF COMMERCE
Frederick H. Mueller, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

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